ACCESS SERVICE

6. Switched Access Service

6.1 General

Switched Access Service, which is available to customers for their use in furnishing their services to end users, provides a two-point electrical communications path between a customer's premises and an end user's premises. It provides for the use of common terminating, common switching, switched transport facilities, and common subscriber plant of the Telephone Company. Switched Access Service provides for the ability to originate calls from an end user's premises to a customer's premises, and to terminate calls from a customer's premises to an end user's premises in the LATA where it is provided. Specific references to material describing the elements of Switched Access Service are provided in 6.1.1 and 6.1.2 following.

Rates and charges for Switched Access Service depend generally on its use by the customer, i.e., for MTS or WATS services, MTS-WATS equivalent services, or other services (e.g., foreign exchange service), and whether it is provided in a Telephone Company end office that is equipped to provide equal access (Feature Group D Access, described in 6.1.1(D) following). Rates and charges for Switched Access Service are set forth in 6.8 following. The application of rates for Switched Access Service is described in 6.7 following. Rates and charges for services other than Switched Access Service, e.g., a customer's interLATA and intraLATA toll message service, may also be applicable when Switched Access Service is used in conjunction with these other services. Descriptions of such applicability are provided in 6.2.1(A)(7), 6.2.1(B)(3), 6.2.2(A)(5), 6.2.2(B)(3), 6.2.3(A)(5), 6.2.4(A)(4), 6.7.9 and 6.7.11 following.

The rates and charges in this section apply to all switched access customers served by the Telephone Company, except for customers ordering dedicated switched transport services (i.e., voice grade, DS1, DS3 and OptiPoint entrance facilities and direct-trunked transport; dedicated trunk ports; DS3 to DS1 and DS1 to voice multiplexing; OptiPoint nodes and cards; switched transport installation and CCS/SS7 Interconnection Service) in the pricing flexibility Metropolitan Statistical Areas (MSAs) listed in Section 21.3 following. The rates and charges for customers ordering dedicated switched transport services in the pricing flexibility MSAs are set forth in 21.8 following. (N) (N)

Material omitted from this page now appears on 1st Revised Page 6-2.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.1 Switched Access Service Arrangements and Manner of Provision (M)

Switched Access Service is provided in seven service categories of standard and optional features called Feature Groups A through D, Interim 500 Access Service, Toll Free Code (TFC) Access Service, and 900 Access Service. They are differentiated by their technical characteristics, e.g., line side vs. trunk side connection at the Telephone Company entry switch, and the manner in which an end user accesses them in originating calls, e.g., with or without an access code. Following is a brief description of each type of Switched Access Service arrangement. (M)

(A) Feature Group A (FGA)

FGA Access provides line side access to Telephone Company end office switches with an associated seven digit local telephone number for the customer's use in originating and terminating communications to an Interexchange Carrier's interstate service or a customer provided interstate communications capability. The customer must specify the Interexchange carrier to which the FGA service is connected or in the alternative, specify the means by which the FGA access communications is transported to another state. Special Access Services utilized for connection with FGA at Telephone Company designated WATS Serving Offices, as set forth in 7 following, may be ordered separately by a customer other than the customer which orders the FGA Switched Access Service. When a customer orders special access service to be utilized for connection with originating FGA service (i.e., originating WATS-like service) from a non-equal access end office, the Company will install an access line extension, at no additional charge, to connect the customer to end offices with equal access capabilities. Special Access Services are ordered as set forth in 5.2 preceding. A more detailed description of FGA Access is provided in 6.2.1 following.

Certain material found on this page formerly appeared on Original Page 6-1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.1 Switched Access Service Arrangements and Manner of Provision (Cont'd)

(B) Feature Group B (FGB)

FGB Access provides trunk side access, either by direct trunks to Telephone Company end office switches or between an access tandem and Telephone Company subtending end office switches, with an associated uniform 950-XXXX access code for the customer's use in originating and terminating communications to an Interexchange Carrier's interstate service or a customer provided interstate communications capability. The customer must specify the Interexchange Carrier to which the FGB service is connected, or in the alternative, specify the means by which the FGB access communications is transported to another state. Special Access Services utilized for connection with FGB at Telephone Company designated WATS Serving Offices, as set forth in 7 following, may be ordered separately by a customer other than the customer which orders the FGB Switched Access Service. Special Access Services are ordered as set forth in 5.2 preceding. A more detailed description of FGB Access is provided in 6.2.2 following.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.1 Switched Access Service Arrangements and Manner of Provision (Cont'd)

(C) Feature Group C (FGC)

FGC Access, which is available only to providers of MTS and WATS, provides trunk side access to Telephone Company end office switches for the customer's use in originating and terminating communications. This service is available in all end offices which are not equipped for Feature Group D Local Switching. Existing FGC Access will be converted to Feature Group D Access when it becomes available in an end office. Special Access Services utilized for connection with FGC at Telephone Company designated WATS Serving Offices, as set forth in 7 following, may be ordered separately by a customer other than the customer which orders the FGC Switched Access Service. Special Access Services are ordered as set forth in 5.2 preceding. A more detailed description of FGC Access is provided in 6.2.3 following.

(D) Feature Group D (FGD)

FGD Access, which is available to all customers, provides trunk side access to Telephone Company end office switches with an associated 101XXXX access code for the customer's use in originating and terminating communications. Special Access Services utilized for connection with FGD at Telephone Company designated WATS Serving Offices as set forth in 7. following may be ordered separately by a customer other than the customer which orders the FGD Switched Access Service. Special Access Services are ordered as set forth in 5.2 preceding. A more detailed description of FGD Access is provided in 6.2.4 following.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.1 Switched Access Service Arrangements and Manner of Provision (Cont'd)

(D) Feature Group D (FGD) (Cont'd)

FGD is also available with End User presubscription, as set forth in Section 6.2.4(A)(6) and Section 13. Presubscribing End Users do not need to use the 101XXXX access code to access the Customer. The provision of FGD Access is subject to local availability.

Special Access service used in connection with Feature Groups A and B is available in nonequal access offices via FGD as follows:

(1) When the end user's serving wire center is not a WATS serving office (WSO) channel mileage charges will apply between the end user's serving wire center and the nearest WSO.

(2) When a customer, other than AT&T, orders an originating only or a combined originating and terminating (two-way) Special Access Line (SAL) to be used in connection with Switched Access Service and the end user's serving wire center is a WSO which is not equipped with equal access, the Telephone Company will provide the Special Access service to the nearest equal access WSO and the channel mileage charges for such service will be waived.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.1 Switched Access Service Arrangements and Manner of Provision (Cont'd)

(D) Feature Group D (FGD) (Cont'd)

(3) When a customer, other than AT&T, orders an originating only or a combined originating and terminating (two-way) SAL, to be used in connection with Switched Access service and the end user's serving wire center is not a WSO and the nearest WSO is not equipped with equal access, channel mileage charges for a SAL to the nearest WSO will apply as indicated in (1) above, but the Telephone Company will provide an additional SAL to the nearest WSO equipped with equal access and the channel mileage charge for the additional SAL will be waived.

(E) Toll Free Code (TFC) Access Service

TFC Access Service is an originating service that is provided via TFC Access Service switched trunk groups, or may be provided in conjunction with FGB, FGC, or FGD. The service provides for the forwarding of end user dialed TFC calls to a Telephone Company Service Switching Point (SSP) which will initiate a query to the Telephone Company's TFC data base to perform the customer identification function. The call is forwarded to the appropriate customer based on the dialed TFC number. The customer has the option of having the TFC dialed number (e.g., 800-NXX-XXXX) or, if the TFC to Local Exchange Number Translation optional feature is specified, a translated ten digit local exchange number (i.e., NPA-NXX-XXXX) delivered to the customer premises.

When TFC Access Service traffic is combined in the same trunk group arrangement with other traffic, usage for the TFC Access Service traffic will be aggregated with the other traffic for billing purposes. When separate trunk groups are provided for TFC Access Service, usage will be provided separately. A more detailed description of TFC Access Service is as set forth in 6.2.5.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.1 Switched Access Service Arrangements and Manner of Provision (Cont'd)

(F) 900 Access Service

900 Access Service is an originating service that is provided via 900 Access Service switched trunk groups, or may be provided in conjunction with FGB, FGC, or FGD. The Service provides the customer identification function (900 NXX screening) based on the first six digits of the dialed 900 number. When a 1 + 900 + NXX + XXXX call is originated by an end user, a customer identification function determines the customer to which the call is to be routed based on the NXX dialed.

When a customer requests that the Telephone Company open a 900 NXX access code for exchanges served by the Telephone Company within a specified state, LATA or service area subtending an access tandem, the order must include the provisioning of all Telephone Company offices within that state, LATA or all offices subtending the specified access tandem.

When 900 Access Service traffic is combined in the same trunk group arrangement with other traffic, usage for the 900 Access Service traffic will be aggregated with the other traffic for billing purposes. When separate trunk groups are provided for 900 Access Service, usage will be provided separately. A more detailed description of 900 Access Service is as set forth in 6.2.6.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.1 Switched Access Service Arrangements and Manner of Provision (Cont'd)

(G) Interim 500 Access Service

Interim 500 Access Service is an originating service that is provided via Interim 500 Access Service switched trunk groups, or may be provided in conjunction with FGC or FGD. The Service provides the customer identification function (500 NXX screening) based on the first six digits of the dialed 500 number. When a 1 + 500 + NXX + XXXX or 0 + 500 + NXX + XXXX call is originated by an end user, a customer identification function determines the customer to which the call is to be routed based on the NXX dialed.

When a customer requests that the Telephone Company open a 500 NXX access code for exchanges served by the Telephone Company within a specified state, LATA or service area subtending an access tandem, the order must include the provisioning of all Telephone Company offices within that state, LATA or all offices subtending the specified access tandem.

When Interim 500 Access Service traffic is combined in the same trunk group arrangement with other traffic, usage for the Interim 500 Access Service traffic will be aggregated with the other traffic for billing purposes. When separate trunk groups are provided for Interim 500 Access Service, usage will be provided separately. A more detailed description of Interim 500 Access Service is as set forth in 6.2.7.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.1 Switched Access Service Arrangements and Manner of Provision (Cont'd)

(H) Manner of Provision

Switched Access is furnished in either quantities of lines or trunks. FGA Access is furnished on a per-line basis, and FGB, FGC and FGD are furnished on a per-trunk basis.

Trunks are differentiated by type and directionality of traffic carried over a Switched Access Service arrangement. Differentiation of traffic is necessary for the Telephone Company to properly design Switched Access Service to meet the traffic carrying capacity requirement of the customer.

There are three major traffic types. These are: Originating, Terminating and Directory Assistance. Originating traffic type represents access capacity within a LATA for carrying traffic from the end user to the customer; Terminating traffic type represents access capacity within a LATA for carrying traffic from the customer to the end user; and, Directory Assistance traffic type represents access capacity within an exchange for carrying Directory Assistance traffic from the customer to a Directory Assistance location. When ordering capacity for FGB Access, FGC Access or FGD Access, the customer must at a minimum specify such access capacity in terms of Originating traffic type and/or Terminating traffic type. Directory Assistance Access Service is ordered as set forth in 9. following.

Because some customers will wish to further segregate their originating FGC or FGD traffic into separate trunk groups, Originating traffic type is further categorized into Domestic, 500, TFC, 900, Operator and IDDD. Domestic traffic type represents access capacity for

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.1 Switched Access Service Arrangements and Manner of Provision (Cont'd)

(H) Manner of Provision (Cont'd)

carrying only domestic traffic other than 500, TFC, 900 and Operator traffic; IDDD traffic type represents access capacity for carrying only international traffic; and, 500, TFC, 900 and Operator traffic types represent access capacity for carrying, respectively, only 500, TFC, 900 or Operator traffic. When ordering such types of access capacity, the customer must specify Domestic, 500, TFC, 900, Operator or IDDD traffic type.

6.1.2 Rate Categories

There are three rate categories which apply to Switched Access Service:

- Switched Transport (described in 6.1.2(B) following)
- Local Switching (described in 6.1.2(C) following)
- Common Line (described in Section 3. and 4. preceding)

In addition to these three rate elements, there are also charges which apply only to Interim 500, TFC and 900 Access Service. The description and application of TFC Access Service charges are set forth in 6.1.2(D) and 6.7.1(C)(3) following. The description and application of 900 Access Service charges are set forth in 6.1.2(F), 6.7.1(C)(4), and 6.7.15 following. The description and application of 500 Access Service charges are set forth in 6.1.2(G), 6.7.1(C)(5), and 6.7.15 following.

ACCESS SERVICE

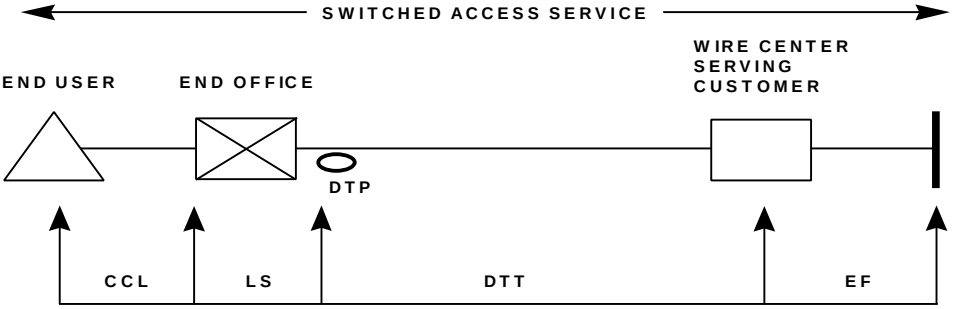
6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

The following diagrams depict generic views of the components of Switched Access Service and the manner in which the components are combined to provide a complete access service.

(A) DIRECT-TRUNKED TRUNK SIDE SERVICES AND ORIGINATING LINE SIDE SERVICES



Note:
An exception to mileage measurement for originating line side services is set forth in 6.7.13 (Determining Switched Transport Mileage and Charges)

CCL: CARRIER COMMON LINE
LS: LOCAL SWITCHING
DTT: DIRECT-TRUNKED TRANSPORT
EF: ENTRANCE FACILITY
DTP: DEDICATED TRUNK PORT

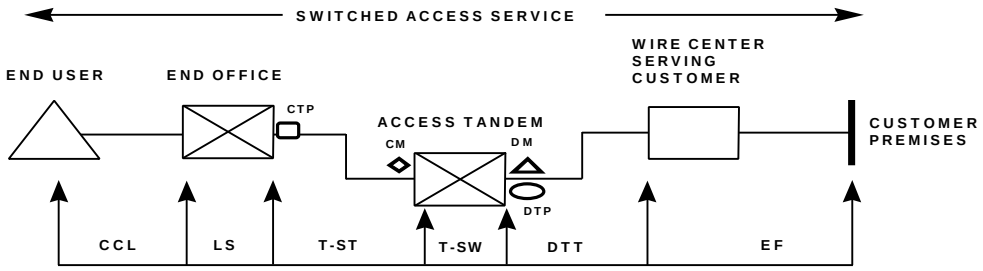
ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

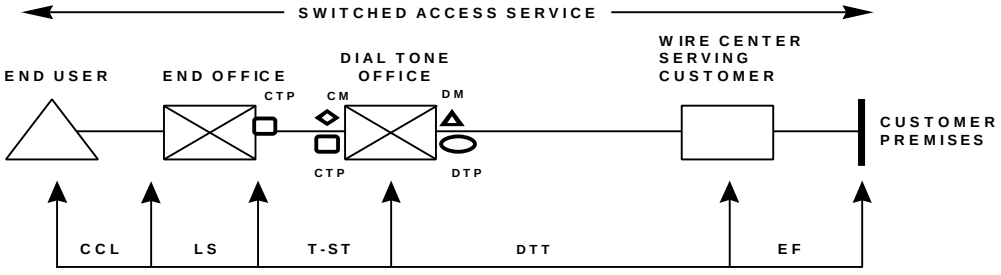
6.1.2 Rate Categories (Cont'd)

(B) TANDEM-SWITCHED TRUNK SIDE SERVICES



CCL:	CARRIER COMMON LINE
LS:	LOCAL SWITCHING
T-ST:	TANDEM-SWITCHED TRANSMISSION (FIXED & PER MILE)
T-SW:	TANDEM SWITCHING
DTT:	DIRECT-TRUNKED TRANSPORT
EF:	ENTRANCE FACILITY
CTP:	COMMON TRUNK PORT
CM:	COMMON TRANSPORT MULTIPLEXING
DTP:	DEDICATED TRUNK PORT
DM:	DEDICATED MULTIPLEXING

(C) TERMINATING LINE SIDE SERVICES



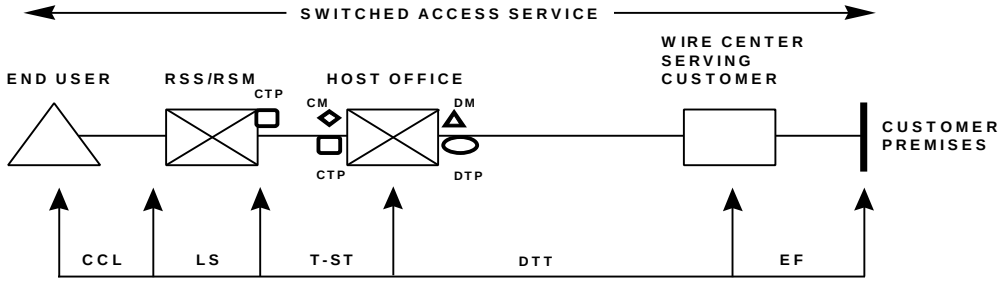
CCL:	CARRIER COMMON LINE
LS:	LOCAL SWITCHING
T-ST:	TANDEM-SWITCHED TRANSMISSION (FIXED & PER MILE)
DTT:	DIRECT-TRUNKED TRANSPORT
EF:	ENTRANCE FACILITY
CTP:	COMMON TRUNK PORT
CM:	COMMON TRANSPORT MULTIPLEXING
DTP:	DEDICATED TRUNK PORT
DM:	DEDICATED MULTIPLEXING

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

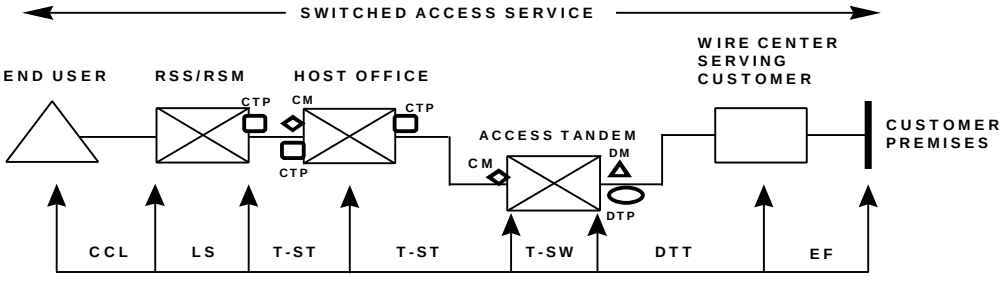
6.1.2 Rate Categories (Cont'd)

(D) DIRECT-TRUNKED HOST/REMOTE ARRANGEMENTS



CCL:	CARRIER COMMON LINE
LS:	LOCAL SWITCHING
T-ST:	TANDEM-SWITCHED TRANSMISSION (FIXED & PER MILE)
DTT:	DIRECT-TRUNKED TRANSPORT
EF:	ENTRANCE FACILITY
RSS/RSM:	REMOTE SWITCHING SYSTEM/REMOTE SWITCHING MODULE
CTP:	COMMON TRUNK PORT
CM:	COMMON TRANSPORT MULTIPLEXING
DTP:	DEDICATED TRUNK PORT
DM:	DEDICATED MULTIPLEXING

(E) TANDEM-SWITCHED HOST/REMOTE ARRANGEMENTS



CCL:	CARRIER COMMON LINE
LS:	LOCAL SWITCHING
T-ST:	TANDEM-SWITCHED TRANSMISSION (FIXED & PER MILE)
T-SW:	TANDEM SWITCHING
DTT:	DIRECT-TRUNKED TRANSPORT
EF:	ENTRANCE FACILITY
RSS/RSM:	REMOTE SWITCHING SYSTEM/REMOTE SWITCHING MODULE
CTP:	COMMON TRUNK PORT
CM:	COMMON TRANSPORT MULTIPLEXING
DTP:	DEDICATED TRUNK PORT
DM:	DEDICATED MULTIPLEXING

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(B) Switched Transport

The Switched Transport rate category provides the transmission facilities between the customer's premises and the end office switch(es) where the customer's traffic is switched to originate or terminate the customer's communications.

Switched Transport provides a one-way or two-way voice frequency transmission paths composed of facilities determined by the Telephone Company which permit the transport of calls in the originating direction and in the terminating direction, though not simultaneously. This voice frequency transmission path may be comprised of any form or configuration of plant capable of, and typically used in, the telecommunications industry for transmitting voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.

Switched Transport is comprised of an Entrance Facility, Direct-Trunked Transport, Tandem-Switched Transport, and various optional features and functions. Descriptions of the Switched Transport components are provided in (1) through (4) following.

Switched Transport is ordered under the Access Order provisions set forth in Section 5 preceding. Ordering provisions as set forth in 2.4.8 preceding will apply when more than one Exchange Telephone Company is involved in the provision of a Switched Transport facility.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(B) Switched Transport (Cont'd)

(1) Entrance Facility

An Entrance Facility provides the communication path between a customer's premises and the Telephone Company's serving wire center for that premises. The Entrance Facility is dedicated to the use of a single customer and is available for use with all line side and trunk side Switched Access services. An Entrance Facility is provided even if the customer's premises and the serving wire center are located in the same building.

The Entrance Facility rate element includes the transmission medium of the facility as well as certain circuit equipment that is used at the ends of the facility and employed to provision the channels on the transmission medium. The Entrance Facility rate element also includes an Interface Group, as set forth in 6.4.3 following, which defines the technical characteristics and types of signaling capability associated with the connection (i.e., voice grade, DS1 or DS3) that comprises the Entrance Facility. The following types of Entrance Facility are available:

(a) Voice Grade Entrance Facility

Voice Grade Entrance Facility is provided in quantities of channels. Each Voice Grade channel provides voice frequency transmission capability in the nominal frequency range of 300 to 3000 hertz (Hz) and may be terminated

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(B) Switched Transport (Cont'd)

(1) Entrance Facility (Cont'd)

(a) Voice Grade Entrance Facility (Cont'd)

two-wire or four-wire. When a single Voice Grade channel is ordered to be terminated at a customer's premises where the premises is all-digital and requires a minimum digital interface level of 1.544 Mbps, the Telephone Company will provide the required interface where facilities are available.

Technical Specifications for Voice Grade may be found in Technical Reference Publication TR-NWT-000335. (C) (C)

(b) DS1 Entrance Facility

DS1 Entrance Facility provides 24 channels for the transmission of nominal 56 kbps or 1.544 Mbps isochronous serial data. The actual bit rate and framing format is a function of the channel interface selected by the customer.

Technical specifications for DS1 may be found in Technical Reference Publication GR-342. (C)

(c) DS3 Entrance Facility

DS3 Entrance Facility provides 28 DS1s or 672 channels for the transmission of nominal 44.736 Mbps isochronous serial data.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(B) Switched Transport (Cont'd)

(1) Entrance Facility (Cont'd)

(c) DS3 Entrance Facility (Cont'd)

With DS3, an interface which provides an electrical signal with a transmission speed of 44.736 Mbps per channel will be installed at the customer's premises.

DS3 Entrance Facility rates may vary based on distance. The mileage used to determine the monthly rate for entrance facilities located outside a Telephone Company Central Office is the airline distance between the customer's designated premises and the Telephone Company serving wire center. The mileage measurement is determined by utilizing exchange maps and mileage tables located in designated Telephone Company offices for such purposes.

Technical specifications for DS3 services may be found in Technical Reference Publication GR-342. (C)

(d) OptiPoint Entrance Facilities

OptiPoint entrance facilities provide point-to-point high speed synchronous optical fiber-based full duplex data transmission capabilities. Detailed service description for OptiPoint service is set forth in 6.2.9 following.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(B) Switched Transport (Cont'd)

(2) Direct-Trunked Transport

Direct-Trunked Transport provides the communication path between the serving wire center of a customer's premises and an end office or between the serving wire center and an access tandem when transport from the access tandem to the end office is routed on circuits used in common by multiple access customers. Direct-Trunked Transport is dedicated to the use of a single customer and does not require switching at an access tandem. Direct-Trunked Transport is available for use with all line side and trunk side Switched Access services.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(B) Switched Transport (Cont'd)

(2) Direct-Trunked Transport (Cont'd)

Direct-Trunked Transport is not available to end offices that lack recording and measuring capabilities needed to provide Direct-Trunked Transport. Direct-Trunked Transport is also not available for TFC Access Service when the required SSP function is located at the access tandem.

Direct-Trunked Transport provides for the transmission facilities between the Telephone Company's serving wire center and an end office when such facilities are not switched through an access tandem, or between the Telephone Company's serving wire center and the access tandem. This includes the transmission medium itself as well as certain circuit equipment that is used at the ends of the interoffice links and employed to provision the channels on the transmission medium and circuit equipment used within the network to manage the circuits at intermediate locations.

The Telephone Company applies a 50% billing percentage to the Direct-Trunked Transport termination (fixed) rate on jointly-owned circuits, and applies 100% on wholly-owned circuits. When the Direct-Trunked Transport facility is zero (i.e., collocated serving wire centers), neither the Direct-Trunked Transport facility (per mile) rate nor the Direct-Trunked Transport termination (fixed) rate will apply.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(B) Switched Transport (Cont'd)

(2) Direct-Trunked Transport (Cont'd)

Direct-Trunked Transport also provides for the transmission facilities between the Telephone Company's serving wire center and a hub that interconnects facilities for both Tandem-Switched Transmission and Direct-Trunked Transport.

(3) Tandem-Switched Transport

Tandem-Switched Transport provides the communication path between the access tandem and an end office that subtends that tandem, and includes tandem switching functions. Tandem-Switched Transport is available for use with all trunk side Switched Access services. Tandem-Switched Transport is not available for use with line side Switched Access services.

Tandem-Switched Transport provides for the transmission facilities between the access tandem and an end office that subtends the tandem. Tandem-Switched Transport is composed of four subelements:

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(B) Switched Transport (Cont'd)

(3) Tandem-Switched Transport (Cont'd)

(a) Tandem-Switched Transmission, which provides for the transmission facilities from the Telephone Company's access tandem switch to an end office subtending that tandem. This includes the transmission medium itself as well as certain circuit equipment that is used at the ends of the interoffice links and employed to derive the channels on the transmission medium, and circuit equipment used within the network to manage the circuits at intermediate locations.

The Telephone Company applies a 50% billing percentage to the Tandem-Switched Transport termination (fixed) rate on jointly-owned circuits, and applies 100% on wholly-owned circuits. When the Tandem-Switched Transport Facility is zero (i.e., collocated serving wire centers), neither the Tandem-Switched Transport Facility (per mile) rate nor the Tandem-Switched Transport Termination (fixed) rate will apply.

(b) Tandem Switching, which provides for use of the Telephone Company's access tandem.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(B) Switched Transport (Cont'd)

(3) Tandem-Switched Transport (Cont'd)

(c) Common Transport Multiplexing provides for the use of the multiplexing equipment at the remote, the end office, and at the access tandem. The common transport multiplexing rate element is assessed on a per minute of use basis at both the end office and tandem.

(d) Dedicated Transport Multiplexing provides for the use of multiplexing equipment at the end office and access tandem. The dedicated transport multiplexing rate element is a flat rated charge and is assessed at both the end office and tandem. Dedicated transport multiplexing is provided at the rates set forth in 6.8.2(D)(4)(b) following for DS3 to DS1 multiplexing.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(B) Switched Transport (Cont'd)

(3) Tandem-Switched Transport (Cont'd)

(e) Tandem Trunk Port

The trunk port rate elements are defined as follows:

- Common Trunk Port

  The Common Trunk Port provides for the use of shared end office trunk ports for the termination of common transport trunks for tandem or end office routed traffic.

- Dedicated Trunk Port

  The Dedicated Trunk Port provides for termination of a dedicated trunk as a trunk side arrangement to an end office or provides access into the access tandem at the serving wire center side of the switch.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(B) Switched Transport (Cont'd)

(3) Tandem Switched Transport (Cont'd)

Switched Transport is provided at the rates and charges as set forth in 6.8.2 following. The application of these rates with respect to individual Switched Access Service Arrangements is set forth in 6.7.1(D) following.

The number of Switched Transport transmission paths and terminations provided is based on the customer's order and is determined by the Telephone Company as set forth in 6.5.5 following.

(4) Nonchargeable Optional Features

Where transmission facilities permit, the Telephone Company will, at the option of the customer, provide the following optional features in association with the Interface Groups listed in 6.4.3(A) through (F) following. Only those Interface Groups referenced with each optional feature will be provided with that feature.

(a) Supervisory Signaling

Where the transmission parameters permit, and where signaling conversion is required by the customer to meet its signaling capability, the customer may order an optional supervisory signaling arrangement for each transmission path provided as follows:

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(B) Switched Transport (Cont'd)

(4) Nonchargeable Optional Features (Cont'd)

(a) Supervisory Signaling (Cont'd)

- For Interface Groups 1 and 2

  DX Supervisory Signaling,
  E&M Type I Supervisory Signaling,
  E&M Type II Supervisory Signaling, or
  E&M Type III Supervisory Signaling

- For Interface Group 2

  SF Supervisory Signaling, or
  Tandem Supervisory Signaling

- For Interface Groups 6 through 9

These Interface Groups may, at the option of the customer, be provided with individual transmission path SF supervisory signaling where such signaling is available in Telephone Company central offices. Generally such signaling is available only where the entry switch provides an analog, i.e., nondigital, interface to the transport termination and a portion of the facility between the analog entry switch and the customer's premises is analog. These Supervisory Signaling arrangements are not available in combination with the SS7 Signaling feature described in 6.3(EE).

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(B) Switched Transport (Cont'd)

(4) Nonchargeable Optional Features (Cont'd)

(b) Improved Return Loss

This feature provides Improved Return Loss, expressed as Echo Return Loss and Singing Return Loss, on two-wire ports of a four-wire point of termination. The specific parameters guaranteed are set forth in 6.4.1 following. This feature is available with all Feature Groups.

(c) Data Transmission Parameters

Where transmission facilities permit, the Customer may order Data Transmission Parameters for each transmission path in association with Interface Groups 1 through 9. This feature includes the provision of trouble testing by the Telephone Company, either independently or cooperatively with the Customer, of parameters normally associated with data transmission. The Telephone Company will, upon receipt of a trouble report from the Customer, conduct tests either independently or cooperatively with the Customer as appropriate, and take any necessary action to insure that the parameters set forth in Section 6.4.2(A) or 6.4.2(B) are met. In those cases where the Customer specifically requests that Telephone Company personnel conduct tests, Maintenance of Service charges will be imposed where applicable in accordance with Section 13.1.9.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(B) Switched Transport (Cont'd)

(5) Chargeable Optional Features

(a) Provision of Other Than Telephone Company Selected Traffic Routing

This option allows the customer to specify a particular traffic routing for trunk groups in lieu of Telephone Company selected routing, i.e., the customer may specify that the routing be on a direct trunk basis or via an access tandem. It is available with Feature Groups B, C, D, and Interim 500, TFC and 900 Access Service.

(b) Customer Specification of Feature Group Directionality

This option allows the customer to specify that the operation of a trunk group will be one-way originating or terminating calling in lieu of Telephone Company selected two-way calling or, alternatively, that operation will be two-way calling in lieu of Telephone Company selected one-way calling. It is available with Feature Groups B, C and D.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(B) Switched Transport (Cont'd)

(5) Chargeable Optional Features (Cont'd)

(c) Customer Specification of Switched Transport Termination

This option allows the customer to specify, for Feature Group B routed directly to an end office or access tandem, a four-wire termination of the Switched Transport at the entry switch in lieu of a Telephone Company selected two-wire termination. This option is available only when the Feature Group B arrangement is provided with Type B Transmission Specifications.

(d) Multiplexing

Multiplexing provides for arrangements to convert a single higher capacity or bandwidth circuit for bulk transport to several lower capacity or bandwidth circuits. Multiplexing is only available at Telephone Company designated Hubs (end offices) arranged for multiplexing or at the access tandem trunk on the serving wire center side of the access tandem. All types of multiplexing may not be available at each Hub location.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(B) Switched Transport (Cont'd)

(5) Chargeable Optional Features (Cont'd)

(d) Multiplexing (Cont'd)

Listed below are the multiplexing arrangements offered with switched access.

1. DS1 to Voice

An arrangement that multiplexes twenty-four voice grade circuits to single DS1 digital circuit at a rate of 1.544 Mbps, or multiplexes a single DS1 digital circuit at a rate of 1.544 Mbps to twenty-four voice grade circuits.

2. DS3 to DS1

An arrangement that multiplexes twenty-eight DS1 digital circuits to a single DS3 digital circuit at rate of 44.736 Mbps, or multiplexes a single DS3 digital circuit at a rate of 44.736 Mbps to twenty-eight DS1 digital circuits.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(B) Switched Transport (Cont'd)

(5) Chargeable Optional Features (Cont'd)

(d) Multiplexing (Cont'd)

The options described in (a), (b) and (c) preceding are rated on an individual case basis with both nonrecurring charges and monthly recurring rates applying. The rates and charges applicable for the multiplexing options described in (d) preceding are set forth in 6.8.2(D) following.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(B) Switched Transport (Cont'd)

(6) Common Channel Signaling/Signaling System 7 (CCS/SS7) Interconnection Service

(a) General

Common Channel Signaling/Signaling System 7 (CCS/SS7) Interconnection Service, which is available to customers for their use in furnishing their services to end users, provides a signaling path between a customer designated premises and a Telephone Company Interconnecting Signaling Transfer Point (STP). CCS/SS7 Interconnection Service, through the use of this two-way signaling path, provides customer interconnection with the Telephone Company's CCS/SS7 network allowing the customer to obtain data relevant to the completion of the originating end user's call. CCS/SS7 Interconnection Service provides connection to the Telephone Company inter-connecting STPs only. CCS/SS7 Interconnection Service will be utilized in conjunction with the following Telephone Company provided services requiring CCS/SS7 connectivity: Line Information Data Base (LIDB) Access Service and SS7 Signaling.

Rate application for CCS/SS7 Interconnection Service is described in 6.7.1 following. Rates and charges for CCS/SS7 Interconnection Service are contained in 6.8.2(G) following.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(B) Switched Transport (Cont'd)

(6) Common Channel Signaling/Signaling System 7 (CCS/SS7) Interconnection Service (Cont'd)

(a) General (Cont'd)

(1) Manner of Provisioning

The link facilities for CCS/SS7 Interconnection Service will consist of a 56.0 kbps circuit or an optional DS1 (1.544 Mbps) channel at the customer designated premises multiplexed at a Telephone Company designated Hub to a 56.0 kbps circuit for interconnection at the Telephone Company STP port.

CCS/SS7 Interconnection Service provided over 56.0 kbps channels or DS1 (1.544 Mbps) facilities will conform with the technical specifications set forth in Technical Reference Publication GR-905. The compatible channel interfaces for CCS/SS7 Interconnection Service are set forth in 7.3.5(G) following for 56.0 Kbps channels and in 7.3.5(H) following for DS1 facilities. (C)

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(B) Switched Transport (Cont'd)

(6) Common Channel Signaling/Signaling System 7 (CCS/SS7) Interconnection Service (Cont'd)

(a) General (Cont'd)

(1) Manner of Provisioning (Cont'd)

In order to ensure network availability and reliability, the Telephone Company's CCS/SS7 Interconnection Service is supported by a pair of interconnecting STPs as outlined in Technical Reference Publication GR-905. The Telephone Company shall not be liable for service outages if the customer employs technology related to the interconnection of signaling networks that does not adhere to generally accepted industry technical standards. (C)

When CCS/SS7 Interconnection Service is provisioned for use with LIDB Access Service, interconnection must occur through physically diverse facilities to both interconnecting STPs in Johnson City, Tennessee and Bristol, Tennessee. Such provisioning allows for the diversity of link facilities required by the Telephone Company and serves as a protective measure should interconnecting STP or CCS/SS7 interconnection service failure occur.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(B) Switched Transport (Cont'd)

(6) Common Channel Signaling/Signaling System 7 (CCS/SS7) Interconnection Service (Cont'd)

(a) General (Cont'd)

(1) Manner of Provisioning (Cont'd)

An Originating Point Code (OPC) charge applies for each OPC established, as well as each OPC added or changed subsequent to the establishment of STP Access. The OPC charge applies on a per service basis. A Global Title Address (GTA) Translation charge applies for each service or application (excluding LIDB Access Service and TFC Data Base Service) that utilizes Transaction Capabilities Application Part (TCAP) messages. A GTA Translation charge also applies for each service (excluding LIDB Access Service and TFC Data Base Service) added or changed subsequent to the initial establishment of STP Access.

Charges for Originating Point Codes and Global Title Address Translations are set forth in 6.8.2(G)(5) and (6) following.

When CCS/SS7 Interconnection Service is provisioned for use with SS7 Signaling, interconnection between signaling networks must occur at the STP pairs for the corresponding jurisdiction as follows:

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(B) Switched Transport (Cont'd)

(6) Common Channel Signaling/Signaling System 7 (CCS/SS7) Interconnection Service (Cont'd)

(a) General (Cont'd)

(1) Manner of Provisioning (Cont'd)

Mated STP Pair Location	Jurisdictions Served
Tallahassee, Florida	Florida (Central)
Altamonte Springs and Winter Park, Florida	Florida (United)
Clinton and Newton, New Jersey	New Jersey
Fayetteville and Rocky Mount, North Carolina	North Carolina (United), North Carolina (Central) and Virginia (Central)
Las Vegas, Nevada	Nevada
Lima and Mansfield, Ohio	Indiana and Ohio
Bristol and Johnson City, Tennessee	South Carolina, Tennessee and Virginia (United)
Chaska and Osseo, Minnesota	Minnesota and Nebraska

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(B) Switched Transport (Cont'd)

(6) Common Channel Signaling/Signaling System 7 (CCS/SS7) Interconnection Service (Cont'd)

(a) General (Cont'd)

(1) Manner of Provisioning (Cont'd)

Mated STP Pair Location	Jurisdictions Served
Carlisle and Chambersburg, Pennsylvania	Pennsylvania
Athens and Humble, Texas	Texas
Warrensburg and Jefferson City, Missouri	Missouri and Kansas

CCS/SS7 Interconnection Service for SS7 Signaling is currently not provided for the jurisdictions of Oregon, Washington, and Wyoming.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(C) Local Switching

The Local Switching rate element provides for the use of end office switching equipment for the termination of end user lines in the local end office, and for the termination of a call at a Telephone Company operator or recording. End user lines may be provided as either Common Lines or Special Access Channel Terminations utilized for connection with Switched Access Service at Telephone Company designated WATS Serving Offices. Common Lines are discussed in Sections 3. and 4. preceding, while Special Access Channel Terminations are discussed in Section 7. following. There are various types of originating and terminating line side termi-nations depending on the type of signaling used (i.e., loop start or ground start). Line side terminations are available with either dial pulse or dual tone multifrequency address signaling.

The intercept function informs a caller why a call, as dialed, could not be completed, and if possible, provides the caller with information required to complete the call.

The premium charge is divided into two distinct categories, i.e., LS1 and LS2. The first category, LS1, provides local dial switching for Feature Groups A and B when the traffic originates from or terminates at an equal access end office. There is a transitional rate which applies to FGA and FGB traffic which originates from or terminates at a non equal access end office. The second category, LS2, provides local dial switching for Feature Groups C and D.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(C) Local Switching (Cont'd)

Where end offices are appropriately equipped, international dialing may be provided as a capability associated with LS2. International dialing provides the capability of switching international calls with service prefix and address codes having more digits than are capable of being switched through a standard FGC or FGD equipped end office.

Rates for LS1 and LS2 are set forth in 6.8.3 following. The application of these rates with respect to individual Feature Groups is as set forth in 6.7.1(D) following.

Included as part of Local Switching are various optional features which the customer can order to meet its specific communications requirements. These optional features are described in 6.3 following.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(D) Toll Free Code (TFC) Access Service

The TFC Access Service Data Base Query Charge, as set forth in Section 6.8.4(A) following, will apply for each TFC call query received at the Telephone Company's TFC data base. Per query charges will be accumulated over a monthly period and billed to the customer on a monthly basis.

Included as a part of TFC Access Service are various optional service features, described in Section 6.2.5(C) following, which the customer may specify to meets its specific requirements. The rates for the TFC Data Base Optional Service Features are set forth in Section 6.8.4(B) following and will apply on a per query basis. When a combination of one or more optional service features is specified, only one such charge shall apply. Per query service option charges will be accumulated over a monthly period and billed to the customer on a monthly basis.

(E) Reserved For Future Use

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(F) 900 Access Service Nonrecurring Charges

The 900 Access Service nonrecurring charge is assessed depending upon how the service is ordered:

(1) If the service is ordered for the state or LATA, the customer charge for the assembly of route tables is assessed for each end office/tandem the Telephone Company serves in the state or LATA. A second nonrecurring charge element applies per NXX activated or deactivated, times the number of Telephone Company access tandems or end offices modified to perform six digit screening for 900 Access Service.

(2) The second alternative allows for the service to be ordered to only one access tandem or end office per-forming six digit screening. The customer charge for the assembly of route tables is assessed for each end office subtending the access tandem (including a collocated end office, if applicable). A second nonrecurring charge element applies per NXX activated or deactivated, times the designated Telephone Company access tandem(s) or end office(s) modified to perform six digit screening for 900 Access Service. This option can be applied repetitively to different tandems to customize the intended offering area.

The route pattern nonrecurring charge applies only once, on the customer's initial request to the Telephone Company for 900 Access Service in each LATA or state. If the customer places an order using option (2) above, the route pattern nonrecurring charge applies to each end office specified in the order received.

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(G) Interim 500 Access Service Nonrecurring Charges

The Interim 500 Access Service nonrecurring charge is assessed depending upon how the service is ordered:

(1) If the service is ordered for the state or LATA, the customer charge for the assembly of route tables is assessed for each end office/tandem the Telephone Company serves in the state or LATA. A second nonrecurring charge element applies per NXX activated or deactivated, times the number of Telephone Company access tandems or end offices modified to perform six digit screening for Interim 500 Access Service.

(2) The second alternative allows for the service to be ordered to only one access tandem or end office performing six digit screening. The customer charge for the assembly of route tables is assessed for each end office subtending the access tandem (including a collocated end office, if applicable). A second nonrecurring charge element applies per NXX activated or deactivated, times the designated Telephone Company access tandem(s) or end office(s) modified to perform six digit screening for Interim 500 Access Service. This option can be applied repetitively to different tandems to customize the intended offering area.

The route pattern nonrecurring charge applies only once, on the customer's initial request to the Telephone Company for Interim 500 Access Service in each LATA or state. If the customer places an order using option (2) above, the route pattern nonrecurring charge applies to each end office specified in the order received.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(H) Zone Density Charges

Zone density charges are applicable only to 1.544 Mbps (DS1) and 44.736 Mbps (DS3) switched access services (i.e., Entrance Facility, Direct-Trunked Transport, Tandem Switched Transmission, Tandem Switching, DS1 to Voice Multiplexing, and DS3 to DS1 Multiplexing) provided at the Telephone Company designated exchanges set forth in Section 6.7.17 following. Zone density charges are recurring rates that apply each month or fraction thereof that a DS1 or DS3 switched access service is provided. For billing purposes, each month is considered to have 30 days.

6.1.3 Special Facilities Routing

A customer may request that the facilities used to provide Switched Access Service be specially routed. The regulations, rates and charges for Special Facilities Routing (i.e., Avoidance, Diversity and Cable-Only) are as set forth in 11. following.

6.1.4 Design Layout Report

At the request of the customer, the Telephone Company will provide to the customer the makeup of the Telephone Company facilities and services provided from the customer's premises to the first point of switching. This information will be provided in the form of a Design Layout Report. The Design Layout Report will be provided to the customer at no charge, and will be reissued or updated whenever these facilities are materially changed.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.5 Testing

(A) Acceptance Testing

At the customer's request, the Telephone Company will cooperatively test certain parameters at the time of installation. For line side and trunk side feature groups and for Voice Grade Switched Transport facilities, the Telephone Company will test the following parameters: loss, c-notched noise, c-message noise, 3-tone slope, d.c. continuity, and operational signaling. For DS1 and DS3 Switched Transport facilities, acceptance tests will include tests for the parameters applicable to the service as specified in Technical Reference Publication GR-342. When Switched Transport is provided with Interface Groups 2 through 9, and the transport termination is two-wire (i.e., there is a four-wire to two-wire conversion in Switched Transport), balance parameters (equal level echo path loss) may also be tested. The customer will not be charged for these tests. (C)

Activation of 500 or 900 NXX codes will be tested by the Telephone Company by placing a test call from each end office where six digit screening is performed. In locations where six digit screening is performed at an access tandem with multiple subtending end offices, a minimum of one subtending end office will be tested by the Telephone Company. No charge will be made for these tests.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.5 Testing (Cont'd)

(B) In-Service Testing

At the customer's request, the Telephone Company will provide In-Service Testing of Switched Access services after the time of installation. The customer will not be charged for these tests. These In-Service Tests will be provided on an automatic basis (i.e., no Telephone Company or customer technicians involved) or on a cooperative basis (i.e., Telephone Company technician(s) involved at the Telephone Company end office and customer technician(s) involved at the customer's premises). The parameters to be tested include: 1004 Hz loss, c-message noise, and balance (return loss).

In the case of Automatic Testing, the customer shall provide remote office test lines and 105 type test lines with associated responders or their functional equivalent. When Automatic Testing is not available in a Telephone Company end office, Cooperative Testing will be substituted.

The 1004 Hz loss and c-message noise tests will be provided on a quarterly basis, while the balance test will be provided on an annual basis.

Additional tests, for which charges do apply, are described in 13.1.10(A) following. Charges for these additional tests are set forth in 13.2 and 13.3.1(A).

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.6 Ordering Options and Conditions

Switched Access Service is ordered under the Access Order provisions set forth in 5. preceding. Also, included in that section are other charges which may be associated with ordering Switched Access Service (e.g., Service Date Change Charges, Cancellation Charges, etc.).

6.1.7 CCS7 Testing Requirements

When Feature Group D with the CCS7 option is ordered, network compatibility and other operational tests will be performed cooperatively by the Telephone Company and the Customer. These tests are as specified in the industry Network Operations Forum (NOF) as well as those specified in Technical Reference Publication GR-905. (C)

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements

Switched Access Service is provided in four different Feature Group arrangements and as Interim 500, TFC and 900 Access Service. The provision of each service type requires Switched Transport facilities and the appropriate Local Switching functions. In addition, Special Access Service may, at the option of the customer, be connected with Switched Access Service at Telephone Company designated WATS Serving Offices.

There are three specific transmission specifications (i.e., Types A, B and C) that have been identified for the provision of Switched Access Service. The specifications provided are dependent on the Interface Group and the routing of the service, i.e., whether the service is routed directly to the end office or via an access tandem. The parameters for the transmission specifications are set forth in 6.4.1 following.

Feature Groups are arranged for either originating, terminating or two-way calling, based on the customer end office switching capacity ordered, while Interim 500 Access Service, TFC Access Service and 900 Access Service are arranged for originating calling only. Originating calling permits the delivery of calls from Telephone Exchange Service locations to the customer's premises.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

Terminating calling permits the delivery of calls from the customer's premises to Telephone Exchange Service locations. Two-way calling permits the delivery of calls in both directions, but not simultaneously. The Telephone Company will determine the type of calling to be provided unless the customer requests that a different type of directional calling is to be provided. In such cases, the Telephone Company will work cooperatively with the customer to determine the directionality.

There are various chargeable and nonchargeable optional features available with Switched Access Service. These additional optional features are provided as Switched Transport and Local Switching options.

Following are detailed descriptions of each of the available Switched Access Services. Each service is described in terms of its specific physical characteristics and calling capabilities, the transmission specifications with which it is provided, optional features available for use with it and the standard testing capabilities.

The Local Switching optional features, which are described in 6.3 following, unless specifically stated otherwise, are available at all suitably equipped Telephone Company end office switches.

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.1 Feature Group A (FGA)

(A) Description

(1) FGA is provided in connection with Telephone Company electronic end offices. At the option of the customer, FGA is provided on a single or multiple line group basis and is arranged for originating calling only, terminating calling only, or two-way calling.

(2) FGA provides a line side termination at the first point of switching. The line side termination will be provided with either ground start supervisory signaling or loop start supervisory signaling. The type of signaling is at the option of the customer.

(3) The Telephone Company shall select the first point of switching, within the selected LATA, at which the line side termination is to be provided unless the customer requests a different first point of switching and Telephone Company facilities and measurement capabilities, where necessary, are available to accommodate such a request.

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.1 Feature Group A (FGA) (Cont'd)

(A) Description (Cont'd)

(4) A seven digit local telephone number assigned by the Telephone Company is provided for access to FGA switching in the originating direction. The seven digit local telephone number will be associated with the selected end office switch and is of the form NXX-XXXX.

If the customer requests a specific seven digit telephone number that is not currently assigned, and the Telephone Company can, with reasonable effort, comply with that request, the requested number will be assigned to the customer.

(5) FGA switching, when used in the terminating direction, is arranged with dial tone start-dial signaling. When used in the terminating direction FGA switching may, at the option of the customer, be arranged for dial pulse or dual tone multifrequency address signaling, subject to availability of equipment at the first point of switching. When FGA switching is provided in a hunt group or uniform call distribution arrangement, all FGA switching will be arranged for the same type of address signaling.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.1 Feature Group A (FGA) (Cont'd)

(A) Description (Cont'd)

(6) No address signaling is provided by the Telephone Company when FGA Switching is used in the originating direction. Address signaling in such cases, if required by the customer must be provided by the customer's end user using inband tone signaling techniques. Such inband tone address signals will not be regenerated by the Telephone Company and will be subject to the ordinary transmission capabilities of the Switched Transport provided.

(7) FGA switching, when used in the terminating direction, may be used to access valid NXXs in the LATA, local operator assistance (0- and 0+), Directory Assistance (411 where available and 555-1212), emergency reporting service (911 where available), exchange telephone repair (611 where available), time or weather announcement services of the Telephone Company, community information services of an information service provider, and other customer services (by dialing the appropriate digits.)Charges for FGA terminating calls requiring operator assistance or calls to 611 or 911 will only apply where sufficient call details are available.

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.1 Feature Group A (FGA) (Cont'd)

(A) Description (Cont'd)

(7) (Cont'd)

Additional non-access charges will also be billed on a separate account for (1) an operator surcharge, as set forth in the local exchange tariffs, for local operator assistance (0- and 0+) calls; (2) calls to certain community information services, for which rates are applicable under Telephone Company exchange service tariffs, e.g., 976 (DIAL-IT) Network Services and, (3) calls from a FGA line to another customer's service in accordance with that customer's applicable service rates when the Telephone Company performs the billing function for that customer, including interLATA toll (1+) calls. For calls to Directory Assistance (411 where available and 555-1212), Switched Transport rates for FGA Switched Access Service will apply.

(8) When a FGA switching arrangement for an individual customer (a single line or entire hunt group) is discontinued at an end office, an intercept announcement is provided. This arrangement provides, for a period of 90 days, an announcement that the service associated with the number dialed has been disconnected.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.1 Feature Group A (FGA) (Cont'd)

(B) Optional Features (where equipment is available)

(1) Local Switching Optional Features

(a) Hunt Group Arrangement
(b) Uniform Call Distribution Arrangement
(c) Nonhunting Number for Use with Hunt Group Arrangement or Uniform Call Distribution Arrangement
(d) Call Denial
(e) Service Code Denial
(f) InterLATA Call Denial
(g) Hunt Group Arrangement for Use with Special Access Service utilized for connection with Switched Access Service
(h) Uniform Call Distribution Arrangement for Use with Special Access Service utilized for connection with Switched Access Service
(i) Nonhunting Number for Use with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with Special Access Service utilized for connection with Switched Access Service
(j) Band Advance Arrangement for Use with Special Access Service utilized for connection with Switched Access Service
(k) Two-way operation with dial pulse address signaling and loop start supervisory signaling.
(l) Two-way operation with dial pulse address signaling and ground start supervisory signaling.
(m) Two-way operation with dual tone multifrequency address signaling and loop start supervisory signaling

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.1 Feature Group A (FGA) (Cont'd)

(B) Optional Features (where equipment is available) (Cont'd)

(1) Local Switching Optional Features (Cont'd)

(n) Two-way operation with dual tone multifrequency address signaling and ground start supervisory signaling
(o) Terminating operation with dial pulse address signaling and loop start supervisory signaling
(p) Terminating operation with dial pulse address signaling and ground start supervisory signaling
(q) Terminating operation with dual tone multi-frequency address signaling and loop start supervisory signaling
(r) Terminating operation with dual tone multi-frequency address signaling and ground start supervisory signaling
(s) Originating operation with loop start supervisory signaling
(t) Originating operation with ground start supervisory signaling
(u) Call Screening
(v) Call Restriction

(2) Switched Transport Optional Features

(a) Supervisory Signaling
(b) Improved Return Loss
(c) Data Transmission Parameters

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.1 Feature Group A (FGA) (Cont'd)

(B) Optional Features (where equipment is available) (Cont'd)

(3) Certain other features which may be available in connection with Feature Group A are provided under the Telephone Company's local and/or general exchange service tariffs. These are:

(a) Custom Calling Features
(b) Bill Number Screening
(c) IntraLATA Extensions

(C) Transmission Performance

FGA is provided with either Type B or Type C Transmission Specifications. The specifications for the associated parameters are guaranteed to the first point of switching. Type C Transmission specifications are provided with Interface Group 1 and Type B is provided with Interface Groups 2 through 9. Type DB Data Transmission Parameters are provided with FGA to the first point of switching.

(D) Testing Capabilities

FGA is provided, in the terminating direction where equipment is available, with seven digit access to balance (100 type) test line and milliwatt (102 type) test line. In addition to the Acceptance Tests described in 6.1.5 preceding, which are included with the install-ation of service, additional tests are available for FGA as set forth in 13.1.10 following.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.2 Feature Group B (FGB)

(A) Description

(1) FGB, when directly routed to an end office (i.e., provided without the use of an access tandem switch), is provided at appropriately equipped Telephone Company electronic end office switches. When provided via Telephone Company designated electronic access tandem switches, FGB switching is provided at Telephone Company electronic end office switches.

(2) FGB is provided as trunk side switching through the use of end office or access tandem switch trunk equipment. The switch trunk equipment is provided with wink start start-pulsing signals and answer and disconnect supervisory signaling.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.2 Feature Group B (FGB) (Cont'd)

(A) Description (Cont'd)

(3) FGB switching is provided with multifrequency address signaling in both the originating and terminating directions. Except for FGB switching provided with the automatic number identification (ANI) or rotary dial station signaling arrangements as set forth in 6.3 following, any other address signaling in the originating direction, if required by the customer, must be provided by the customer's end user using inband tone signaling techniques. Such inband tone address signals will not be regenerated by the Telephone Company and will be subject to the ordinary transmission capabilities of the Switched Transport provided.

(4) The access code for FGB switching is a uniform access code. The form of the uniform access code is 950-XXXX for carriers.

These uniform access codes will be the assigned access numbers of all FGB Switched Access Service provided to the customer by the Telephone Company.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.2 Feature Group B (FGB) (Cont'd)

(A) Description (Cont'd)

(5) FGB switching, when used in the terminating direction and routed through an access tandem, may be used to access only valid NXX codes served by end offices subtending the access tandem, time or weather announcement services of the Telephone Company, community information services of an information service provider and other customers' services (by dialing the appropriate digits). When used in the terminating direction and directly routed to an end office, FGB switching may be used to access only those valid NXX codes served by that end office, time or weather announcement services of the Telephone Company, community information services of an information provider, and other customers' services (by dialing the appropriate digits). When a provider of MTS and WATS subscribes to both FGB and FGD at an equal access end office or to both FGB and FGC at any end office, all such FGB, FGC, and FGD usage originating and terminating at those end offices will be subject to the premium Carrier Common Line, Switched Transport, and Local Switching - LS2 rates set forth in 3.9 and 6.8. The customer will be billed additional non-access charges for calls to certain community information services for which rates are applicable under Telephone Company exchange service tariffs, e.g., 976 (DIAL-IT) Network Services.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.2 Feature Group B (FGB) (Cont'd)

(A) Description (Cont'd)

(5) (Cont'd)

Additionally, non-access charges will also be billed for calls from a FGB trunk to another customer's service in accordance with that customer's applicable service rates when the Telephone Company performs the billing function for the customer. Calls in the terminating direction will not be completed to 950-XXXX access codes, local operator assistance (0- and 0+), Directory Assistance (411 where available and 555-1212), service codes (611 and 911 where available) or 101XXXX access codes. FGB may not be switched, in the terminating direction, to Switched Access Service Feature Groups B, C and D, nor to extended area service (EAS) end offices not subtending the FGB access tandem.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.2 Feature Group B (FGB) (Cont'd)

(A) Description (Cont'd)

(6) The Telephone Company will establish a trunk group or groups for the customer at end office switches or access tandem switches where FGB switching is provided. When required by technical limitations, a separate trunk group will be established for each type of FGB switching arrangement provided. Different types of FGB or other switching arrangements may be combined in a single trunk group at the option of the Telephone Company.

(7) When all FGB switching arrangements are discontinued at an end office, an intercept announcement is provided. This arrangement provides, for a period of 90 days, an announcement that the service associated with the number dialed has been disconnected.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.2 Feature Group B (FGB) (Cont'd)

(B) Optional Features (where equipment is available)

(1) Local Switching Optional Features

(a) Automatic Number Identification (ANI)
(b) Up to 7 Digit Outpulsing of Access Digits to Customer
(c) Alternate Traffic Routing
(d) Hunt Group Arrangement for Use with Special Access Service utilized for connection with Switched Access Service
(e) Uniform Call Distribution Arrangement for Use with Special Access Service utilized for connection with Switched Access Service
(f) Nonhunting Number for Use with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with Special Access Service utilized for connection with Switched Access Service
(g) Band Advance Arrangement for Use with Special Access Service utilized for connection with Switched Access Service
(h) Rotary Dial Station Signaling

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.2 Feature Group B (FGB) (Cont'd)

(B) Optional Features (where equipment is available) (Cont'd)

(1) Local Switching Optional Feature (Cont'd)

(i) Multifrequency Address Signaling

(2) Switched Transport Optional Features

(a) Supervisory Signaling
(b) Improved Return Loss
(c) Data Transmission Parameters
(d) Provision of Other Than Telephone Company Selected Traffic Routing
(e) Customer Specification of Feature Group Directionality
(f) Customer Specification of Switched Transport Termination

(3) Another feature, Bill Number Screening, which may be available in connection with FGB, is provided under the Telephone Company's local and/or general exchange service tariffs.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.2 Feature Group B (FGB) (Cont'd)

(C) Transmission Performance

FGB is provided with either Type B or Type C Transmission Specifications. The specifications for the associated parameters are guaranteed to the end office when routed directly or to the first point of switching when routed via an access tandem. Type C Transmission specifications are provided with Interface Group 1 and Type B is provided with Interface Groups 2 through 9. Type DB Data Transmission Parameters are provided with FGB to the first point of switching.

Transmission specifications for CCS7 signaling connections are set forth in Technical Reference Publication GR-905. (C)

(D) Testing Capabilities

FGB is provided, in the terminating direction where equipment is available, with seven digit access to balance (100 type) test line, milliwatt (102 type) test line, nonsynchronous or synchronous test line, automatic transmission measuring (105 type) test line, data transmission (107 type) test line, loop around test line, short circuit test line and open circuit test line. In addition to the Acceptance Tests described in 6.1.5 preceding, which are included with the installation of service, additional tests are available as set forth in 13.1.10 following.

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.3 Feature Group C (FGC)

(A) Description

(1) FGC is provided at all Telephone Company end office switches on a direct trunk basis or via Telephone Company designated access tandem switches. FGC switching is provided to the customer (i.e., providers of MTS and WATS) at an end office switch unless Feature Group D end office switching is provided in the same office. When FGD switching is available, FGC switching will not be provided.

(2) FGC is provided as trunk side switching through the use of end office or access tandem switch trunk equipment. The switch trunk equipment is provided with answer and disconnect supervisory signaling. Wink start start-pulsing signals are provided in all offices where available. In those offices where wink start start-pulsing signals are not available, delay dial start-pulsing signals will be provided, unless immediate dial pulse signaling is provided, in which case no start-pulsing signals are provided.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.3 Feature Group C (FGC) (Cont'd)

(A) Description (Cont'd)

(3) FGC is provided with multifrequency address signaling. Up to 12 digits of the called party number dialed by the customer's end user using dual tone multifrequency or dial pulse address signals will be provided by Telephone Company equipment to the customer's premises where the Switched Access Service terminates. Such called party number signals will be subject to the ordinary transmission capabilities of the Switched Transport provided.

(4) No access code is required for FGC switching. The telephone number dialed by the customer's end user shall be a seven or ten digit number for calls in the North American Numbering Plan (NANP). For inter-national calls outside the NANP, a seven to twelve digit number may be dialed. The form of the numbers dialed by the customer's end user is NXX-XXXX, 0 or 1 + NXX-XXXX, NPA + NXX-XXXX, 0 or 1 + NPA + NXX-XXXX, and, when the end office is equipped for Inter-national Direct Distance Dialing (IDDD), 01 + CC + NN or 011 + CC + NN.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.3 Feature Group C (FGC) (Cont'd)

(A) Description (Cont'd)

(5) FGC switching, when used in the terminating direction, may be used to access valid NXXs in the local exchange, time or weather announcement services of the Telephone Company, community information services of an information provider, and other customers' services (by dialing the appropriate codes) when the services can be reached using valid NXX codes. When directly routed to an end office, only those valid NXX codes served by that office may be accessed. When routed through an access tandem, only those valid NXX codes served by offices subtending the access tandem may be accessed. Where measurement capabilities exist, the customer will also be billed additional non-access charges for calls to certain community information services, for which rates are applicable under Telephone Company exchange service tariffs, e.g., 976 (DIAL-IT) Network Services. Additionally, non-access charges will also be billed for calls from a FGC trunk to another customer's service in accordance with that customer's applicable service rates when the Telephone Company

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.3 Feature Group C (FGC) (Cont'd)

(A) Description (Cont'd)

(5) (Cont'd)

performs the billing function for that customer. Calls in the terminating direction will not be completed to 950-XXXX access codes, local operator assistance (0- and 0+), Directory Assistance (411 and 555-1212), service codes 611 and 911, and 101XXXX access codes. Calls will be completed to Directory Assistance (NPA-555-1212 and 555-1212) when FGC switching is combined with Directory Assistance switching. The combination of FGC Switched Access Service with DA Service is provided as set forth in 9. following. FGC may not be switched, in the terminating direction, to Switched Access Service Feature Groups B, C or D.

(6) The Telephone Company will establish a trunk group or groups for the customer at end office switches or access tandem switches where FGC switching is provided. When required for technical limitations, a separate trunk group will be established for each type of FGC switching arrangement provided. Different types of FGC or other switching arrangements may be combined in a single trunk group at the option of the Telephone Company.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.3 Feature Group C (FGC) (Cont'd)

(B) Optional Features (where equipment is available)

(1) Local Switching Optional Features

(a) Automatic Number Identification (ANI)
(b) Service Class Routing
(c) Dial Pulse Address Signaling
(d) Revertive Pulse Address Signaling
(e) Delay Dial Start-Pulsing Signaling
(f) Immediate Dial Pulse Address Signaling
(g) Panel Call Indicator Address Signaling
(h) Alternate Traffic Routing
(i) Trunk Access Limitation
(j) End Office End User Line Service Screening for Use with Special Access Service utilized for connection with Switched Access Service
(k) Hunt Group Arrangement for Use with Special Access Service utilized for connection with Switched Access Service
(l) Uniform Call Distribution Arrangement for Use with Special Access Service utilized for connection with Switched Access Service
(m) Nonhunting Number for Use with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with Special Access Service utilized for connection with Switched Access Service
(n) Band Advance Arrangement for Use with Special Access Service utilized for connection with Switched Access Service
(o) Operator Trunks - i.e., Pay Telephone (Pay trunks are provided only at Telephone Company electronic end offices and other Telephone Company end offices where equipment is available.)
(p) Multifrequency Address Signaling

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.3 Feature Group C (FGC) (Cont'd)

(B) Optional Features (where equipment is available) (Cont'd)

(2) Switched Transport Optional Features

(a) Supervisory signaling
(b) Improved Return Loss
(c) Data Transmission Parameters
(d) Provision of Other Than Telephone Company Selected Traffic Routing
(e) Customer Specifications of Feature Group Directionality

(C) Transmission Specifications

FGC is provided with either Type B or Type C Transmission Specifications as follows:

- When routed directly to the end office either Type B or Type C is provided.

- When routed to an access tandem only Type B is provided.

- Type B or Type C is provided on the transmission path from the access tandem to the end office.

Type C Transmission Specifications are provided with Interface Group 1 when routed directly to an end office. Type B is provided with Interface Groups 2 through 9, whether routed directly to an end office or to an access tandem.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.3 Feature Group C (FGC) (Cont'd)

(C) Transmission Specifications (Cont'd)

Type DB Data Transmission Parameters are provided with FGC for the transmission path between the customer's premises and the end office when directly routed to the end office, and Type DB Data Transmission Parameters are provided for the transmission path between the customer's premises and the access tandem and between the access tandem and the end office when routed via an access tandem.

(D) Testing Capabilities

FGC is provided, in the terminating direction where equipment is available, with seven digit access to balance (100 type) test line, milliwatt (102 type) test line, nonsynchronous or synchronous test line, automatic transmission measuring (105 type) test line, data transmission (107 type) test line, loop around test line, short circuit test line and open circuit test line. In addition to the Acceptance and Routine Tests described in 6.1.5 preceding, additional tests are available as set forth in 13.1.10 following.

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.4 Feature Group D (FGD)

(A) Description

(1) FGD is provided at Telephone Company designated electronic end office switches whether routed directly or via Telephone Company designated electronic access tandem switches.

(2) FGD is provided as trunk side switching through the use of end office or access tandem switch trunk equipment. The switch trunk equipment is provided with wink start start-pulsing signals and answer and disconnect supervisory signaling.

(3) FGD switching is provided with inband multifrequency address signaling or out of band SS7 signaling. With multifrequency address signaling and SS7 signaling, up to 12 digits of the called party number dialed by the customer's end user using dual tone multifrequency or dial pulse address signals will be provided by Telephone Company equipment to the customer's premises where the Switched Access Service terminates. Such address signals will be subject to the ordinary transmission capabilities of the Switched Transport provided.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.4 Feature Group D (FGD) (Cont'd)

(A) Description (Cont'd)

(4) FGD switching, when used in the terminating direction, may be used to access valid NXXs in the local exchange, time or weather announcement services of the Telephone Company, community information services of an information service provider, and other customers' services (by dialing the appropriate codes) when such services can be reached using valid NXX codes. When directly routed to an end office, only those valid NXX codes served by that office may be accessed. When routed through an access tandem, only those valid NXX codes served by end offices subtending the access tandem may be accessed. The customer will also be billed additional non-access charges for calls to certain community information services, for which rates are applicable under Telephone Company exchange service tariffs, e.g., 976 (DIAL-IT) Network Service. Additionally, non-access charges will also be billed for calls from a FGD trunk to another customer's service in accordance with that customer's applicable service rates when the Telephone Company performs the billing function for that customer.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.4 Feature Group D (FGD) (Cont'd)

(A) Description (Cont'd)

(4) (Cont'd)

Calls in the terminating direction will not be completed to 950-XXXX access codes, local operator assistance (0- and 0+), Directory Assistance (411 and 555-1212), service codes 611 and 911, and 101XXXX access codes. Calls will be completed to Directory Assistance (NPA-555-1212 and 555-1212) when FGD switching is combined with Directory Assistance switching. The combination of FGD Switched Access Service with DA Service is provided as set forth in 9. following. FGD may not be switched, in the terminating direction, to Switched Access Service Feature Groups B, C or D.

(5) The Telephone Company will establish a trunk group or groups for the customer at end office switches or access tandem switches where FGD switching is provided. When required by technical limitations, a separate trunk group will be established for each type of FGD switching arrangement provided. Different types of FGD or other switching arrangements may be combined in a single trunk group at the option of the Telephone Company.

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.4 Feature Group D (FGD) (Cont'd)

(A) Description (Cont'd)

(6) The access code for FGD switching is a uniform access code of the form 101XXXX. This uniform access code will be the assigned access number of all FGD access provided to the customer by the Telephone Company. No access code is required for calls to a customer over FGD Switched Access Service if the end user's telephone exchange service is arranged for presubscription to that customer as set forth in 13. following.

Where no access code is required, the number dialed by the customer's end user shall be a seven or ten digit number for calls in the North American Numbering Plan (NANP). For international calls outside the NANP, a twelve to fifteen digit number may be dialed. The form of the numbers dialed by the customer's end user is NXX-XXXX, 0 or 1 + NXX-XXXX, NPA + NXX-XXXX, 0 or 1 + NPA + NXX-XXXX, and, when the end office is equipped for International Direct Distance Dialing (IDDD), 01 + CC + NN or 011 + CC + NN.

When the 101XXXX access code is used, FGD switching also provides for dialing the digit 0 for access to the customer's operator, 911 for access to the Telephone Company's emergency reporting service, or at the customer's option, the end-of-dialing digit (#) for cut-through access to the customer's premises.

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.4 Feature Group D (FGD) (Cont'd)

(A) Description (Cont'd)

(7) FGD switching will be arranged to accept calls from telephone exchange service locations without the need for dialing the 101XXXX uniform access code. Each telephone exchange service line may be marked with a presubscription code to identify which 101XXXX code its calls will be directed to for interLATA service. Presubscription codes are applied as set forth in 13. following.

FGD also may be used to recognize originating calls where the Customer permits its End Users to use a personal identification number (PIN) when dialing 101XXXX to access the Customer's terminal. Upon receipt of a tone the End User will input his PIN and the called party number. Depending on the Customer's capability, he may or may not receive an acknowledgment tone after dialing the PIN. This dialing method is available only to End Users with DTMF address signaling. There is no additional charge for this dialing capability.

(8) When a customer has had FGB access in an end office and subsequently replaces the FGB access with FGD access, at the mutual agreement of the customer and the Telephone Company, the Telephone Company will, for a period of 90 days, direct calls dialed by the customer's end users using the customer's previous FGB access code to the customer's FGD access service. The customer must be prepared to handle normally dialed FGD calls as well as calls dialed with the FGB access code which requires the customer to receive additional address signaling from the end user. Such calls will be rated as FGD.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.4 Feature Group D (FGD) (Cont'd)

(B) Optional Features (where equipment is available)

(1) Local Switching Optional Features

(a) Automatic Number Identification (ANI)
(b) Service Class Routing
(c) Alternate Traffic Routing
(d) Call Gapping Arrangement
(e) Trunk Access Limitation
(f) International Carrier Option
(g) End Office End User Line Service Screening for Use with Special Access Service utilized for connection with Switched Access Service
(h) Hunt Group Arrangement for Use with Special Access Service utilized for connection with Switched Access Service
(i) Uniform Call Distribution Arrangement for Use with Special Access Service utilized for connection with Switched Access Service
(j) Nonhunting Number for Use with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with Special Access Service utilized for connection with Switched Access Service
(k) Band Advance Arrangement for Use with Special Access Service utilized for connection with Switched Access Service
(l) Cut-Through
(m) Operator Trunk, Full Feature Arrangement
(n) SwitchLink Plus(sm) Access Capability
(o) Flexible Automatic Number Identification (Flex ANI)
(p) Multifrequency Address Signaling
(q) Signaling System 7 (SS7) Signaling

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.4 Feature Group D (FGD) (Cont'd)

(B) Optional Features (Cont'd)

(1) Local Switching Optional Features (Cont'd)

(r) Specification of Feature Group Directionality
(s) Common Channel Signaling/Signaling System 7 (CCS/SS7) with optional features as follows:
(1) Charge Number (CN)
(2) Carrier Selection Parameter (CSP)
(3) Carrier Identification Parameter (CIP)
(t) Digital Switched 56 Service
(u) Switched 64 Clear Channel Capability
(v) Feature Group D with 950 Access
(w) Intrastate Carrier Option

(2) Switched Transport Optional Features (where equipment is available)

(a) Supervisory Signaling
(b) Improved Return Loss
(c) Data Transmission Parameters
(d) Provision of Other Than Telephone Company Selected Traffic Routing
(e) Customer Specification of Feature Group Directionality

(3) End Office Signaling Service

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.4 Feature Group D (FGD) (Cont'd)

(C) Transmission Specifications

FGD is provided with either Type A, Type B or Type C Transmission Specifications as follows:

- When routed directly to the end office either Type B or C is provided.

- When routed to an access tandem only Type A is provided.

- Type A is provided on the transmission path from the access tandem to the end office.

Type C Transmission Specifications are provided with Interface Group 1. Type A and Type B Transmission Specifications are provided with Interface Groups 2 through 9.

Type DA Data Transmission Parameters are provided for the transmission path between the customer's premises and the access tandem and between the access tandem and the end office. Type DB Data Transmission Parameters are provided with FGD for the transmission path between the customer's premises and the end office when directly routed to the end office.

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.4 Feature Group D (FGD) (Cont'd)

(D) Testing Capabilities

FGD is provided, in the terminating direction where equipment is available, with seven digit access to balance (100 type) test line, milliwatt (102 type) test line, nonsynchronous or synchronous test line, automatic transmission measuring (105 type) test line, data transmission (107 type) test line, loop around test line, short circuit test line and open circuit test line. In addition to the Acceptance and Routine Tests described in 6.1.5 preceding, additional tests are available for FGD as set forth in 13.1.10 following. When SS7 Signaling is ordered, network compatibility and other operational tests will be performed cooperatively by the Telephone Company and the customer as specified in Technical Reference Publication GR-905. (C) (C)

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.5 Toll Free Code (TFC) Access Service

(A) Description

TFC Access Service is an originating trunk side switched service that is available to the customer via TFC Access Service trunk groups, or may be provided in conjunction with FGB, FGC, or FGD. The service provides for the forwarding of end user dialed TFC calls to a Telephone Company Service Switching Point (SSP) which will initiate a TFC data base query to the Telephone Company's TFC data base to perform the customer identification function. The call is forwarded to the appropriate customer based on the dialed TFC number. The customer has the option of having the TFC dialed number (e.g., 800-NXX-XXXX) or, if the TFC to Local Exchange Number Translation optional feature described in Section 6.2.5(C)(1) is specified, a translated ten digit local exchange number (i.e., NPA-NXX-XXXX), delivered to the customer premises.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.5 Toll Free Code (TFC) Access Service (Cont'd)

(A) Description (Cont'd)

No access code is required for TFC Access Service. When the TFC call is originated by an end user, the Telephone Company will perform the TFC data base query based on the dialed digits to determine the customer location to which the call is to be routed. TFC data base query charges will be applied for each completed customer identification query. A query is deemed to have been completed when the signaling information enabling the call to be directed to the appropriate carrier is returned by the TFC data base to the switch that originated the query. The TFC data base query will be performed from suitably equipped end offices or access tandems. If the call originates from an end office not equipped to perform the TFC data base query, the call will be routed to an access tandem at which the query function is available. Once customer identification has been established, the call will be routed to the customer. TFC calls may be routed to multiple carriers based on the local access transport area in which the call originates, however, calls originating from an end office switch not included in the customer's area of service for TFC Access Service will not be completed.

The provision of TFC Access Service requires access to the TFC Service Management System (TFC SMS) by a Responsible Organization on behalf of the customer or through direct access by the customer to the TFC SMS.

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.5 Toll Free Code (TFC) Access Service (Cont'd)

(A) Description (Cont'd)

When TFC Access Service originates from an end office equipped with equal access capabilities (i.e., FGD), all such service will be provisioned in accordance with the technical characteristics available with FGD. When TFC Access Service originates from an end office not equipped with equal access, such service will be provisioned in accordance with the technical characteristics available with FGC. For FGB customers, end offices lacking equal access capability or the TFC data base query function may only be served via an access tandem over FGD trunks or TFC Access Service trunk groups. Such service will be provisioned in accordance with the characteristics available with FGC or FGD. In either case, when more than one access tandem is involved in the transport of a TFC Access Service call, standard transmission characteristics are not guaranteed.

Unless prohibited by network considerations (e.g., different dialing plans), the customer's TFC Access Service traffic may, at the option of the customer, be combined in the same trunk group arrangement with the customer's non-TFC switched access traffic except as follows. Combining TFC Access Service traffic with the customer's direct routed switched access traffic will be allowed only when the end office is equipped to perform the TFC data base query. When required by network considerations, a separate trunk group must be established for TFC Access Service.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.5 Toll Free Code (TFC) Access Service (Cont'd)

(A) Description (Cont'd)

Premium usage rates and charges apply to TFC Access Service calls originated from end offices with equal access capability or calls originated from nonconforming offices via FGC. Non premium transitional usage rates apply to TFC Access Service calls originated from end offices lacking equal access capability and routed over FGB trunks or TFC Access Service trunk groups. Additionally, the TFC Access Service Data Base Query Charge, and the TFC Data Base Optional Service Features charge associated with various options ordered by the customer, as specified in Sections 6.1.2(D) preceding and 6.2.5(C) following also apply.

(B) Technical Specifications

TFC Access Service trunk groups are provided with either Type B or Type C Transmission Specifications as follows:

- When routed directly to the end office either Type B or Type C is provided.

- When routed to an access tandem only Type B is provided.

- Type B or Type C is provided on the transmission path from the access tandem to the end office.

Type C Transmission Specifications are provided with Interface Group 1 when routed directly to an end office. Type B is provided with Interface Groups 2 through 9, whether routed directly to an end office or to an access tandem.

Telephone Company switch and customer premises interfaces and design blocking criteria for Feature Group C apply to TFC Access Service.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.5 Toll Free Code (TFC) Access Service (Cont'd)

(C) TFC Data Base Optional Service Features

In addition to the TFC call routing (e.g., 1+800-NXX-XXXX) described in (A) preceding, at the customer's option, the Telephone Company will perform additional call routing service options as follows:

(1) TFC to Local Exchange Number Translation

This option allows a TFC Access Service customer to specify standard local exchange telephone numbers for TFC call completion at the terminating end. When a TFC call is to be routed to a local exchange telephone number, the TFC Access Service customer must provide to its Responsible Organization or to the TFC SMS, the full ten digit local exchange number (NPA-NXX-XXXX) to be associated with the TFC number and indicate to which carrier the local exchange telephone number is to be delivered. If the TFC to Local Exchange Number Translation optional feature is used, the customer will be unable to determine that such calls originated as TFC dialed calls (e.g., 1+800-NXX-XXXX) unless the customer also orders the Flexible Automatic Number Identification (Flex ANI) optional feature.

(2) Customized TFC Call Routing

This option allows for routing to variable terminating locations for TFC call completion based on the following criteria:

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.5 Toll Free Code (TFC) Access Service (Cont'd)

(C) TFC Data Base Optional Service Features (Cont'd)

(2) Customized TFC Call Routing (Cont'd)

- time of day
- day of week
- specific days of the year (e.g., December 25)
- percentage of traffic (in one percent increments)
- calling telephone number (unless technical limitations exist which do not provide for originating number identification)

With this option, TFC calls can be delivered to the carrier in either the direct dialed TFC number format or in the local exchange telephone number translated format. The customer must enter the desired format and the necessary ten digit local exchange telephone number, if any, into the TFC SMS or provide such information to its Responsible Organization for handling.

The rates for the TFC Data Base Optional Service Features described above are applied on a per query basis as set forth in Section 6.8.4(B) following. When a combination of one or more of the optional features is requested, only one such charge shall apply.

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.6 900 Access Service

(A) Description

Originating 900 Access Service is a trunk side switched service that is available to the customer via 900 Access Service trunk groups, or can be provided to the customer in conjunction with FGB, FGC, or FGD services. When combined with FGB, FGC, or FGD, 900 Access Service traffic can, at the option of the customer, be carried on the same group with non-900 Access traffic. When a 1+900+NXX+XXXX or 0+900+NXX+XXXX call is originated by an end user, the Telephone Company will perform the customer identification function based on the dialed digits to determine the customer to which the call is to be routed. If the call originates from an end office not equipped to provide the customer identification function, the call will be routed to an office where the function is available. Once customer identification has been established, the call will be routed to the customer.

The manner in which 900 Access Service is provided depends on whether the end office from which the call originates has equal access capability and/or the customer identification function. In equal access end offices which have customer identification function capability, 900 Access Service is provided in accordance with technical characteristics available with FGD (however, ANI is required with 900 Access Service), either direct to the end office or via an equal access tandem on existing trunk groups. In end offices not equipped with equal access capabilities, 900 Access Service will be provisioned in accordance with the technical characteristics available with FGC. Customers other than customers of FGC, may only be served via an access tandem over 900 Access Service trunks when the end office lacks equal access capability or the customer identification function. At the customer's option, 900 Access Service and TFC Access Service may be combined on the same trunk group. For a customer of FGC, 900 Access Service can be provided through an existing trunk group or separate FGC trunk

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.6 900 Access Service (Cont'd)

(A) Description (Cont'd)

group which handles 900 Access Service. 900 Access Service calls which are routed through operator services will be delivered at the equal access tandem over FGC or FGD. At the customer's option, 900 Access Service can be provided from both equal access and non-equal access end office switches over a FGD trunk group from the access tandem to the customer's premises if the customer can accept, on that trunk group, both exchange access and conventional signaling.

The Telephone Company will block calls to a 900 number dialed 1+ from pay telephones, 0+, 0-, 101XXXX, third number service, detention centers, mental institutions, hotel/motel service and calling cards. The customer may request, via an ASR to the Telephone Company, unblocking of 0+ and 0- 900 calling on all classes of services except detention centers.

At the carrier's option all 900 attempts will be passed to the identified IC, who subsequently can screen the appropriate ANI II digits for call disposition. The ANI II digits are described in Technical Reference Publication FR-64. This option is available in technically capable equal access offices. (C)

900 Access Service originating from equal access end offices with the customer identification function will be provided using exchange access signaling with overlap outpulsing and ten digit ANI. 900 Access Service originating from equal access end offices without the customer identification function, from end offices not having equal access capability, or for calls routed through operator services, will be provided using conventional signaling. On traffic using conventional signaling, other than FGC, the customer's facilities shall provide off hook supervision upon receipt of the transmitted digits.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.6 900 Access Service (Cont'd)

(A) Description (Cont'd)

Premium usage rates and charges apply to 900 Access Service calls originated from end offices with equal access capability or calls originated from nonconforming offices via the customer of FGC. Non premium transitional usage rates apply to 900 Access Service calls originated from end offices lacking equal access capability and routed over FGB trunks or 900 Access Service trunk groups. Additionally, nonrecurring charges as specified in 6.1.2(F) pre-ceding and 6.8.5 following also apply.

(B) Technical Specifications

900 Access Service trunk groups are provided with either Type B or Type C Transmission Specifications as follows:

- When routed directly to the end office either Type B or Type C is provided.

- When routed to an access tandem only Type B is provided.

- Type B or Type C is provided on the transmission path from the access tandem to the end office.

Type C Transmission Specifications are provided with Interface Group 1 when routed directly to an end office. Type B is provided with Interface Groups 2 through 9, whether routed directly to an end office or to an access tandem.

Telephone Company switch and customer premises interfaces and design blocking criteria for Feature Group C apply to 900 Access Service.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.7 Interim 500 Access Service

(A) Description

Interim 500 Access Service is an outgoing service providing the customer identification function (500 NXX screening) based on the first six digits of the dialed 500 number.

Originating Interim 500 Access Service is a trunk side switched service that is available to the customer via Interim 500 Access Service trunk groups, or can be provided to the customer in conjunction with FGC or FGD services. When combined with FGC or FGD, Interim 500 Access Service traffic can, at the option of the customer, be carried on the same group with non-500 Access traffic. When a 1+500+NXX+XXXX or 0+500+NXX+XXXX call is originated by an end user, the Telephone Company will perform the customer identification function based on the dialed digits to determine the customer to which the call is to be routed. If the call originates from an end office not equipped to provide the customer identification function, the call will be routed to an office where the function is available. Once customer identification has been established, the call will be routed to the customer.

The manner in which Interim 500 Access Service is provided depends on whether the end office/tandem from which the call originates has equal access capability with the customer identification function. In equal access end offices/tandems which have customer identification function capability, Interim 500 Access Service is provided in accordance with technical characteristics available with FGD, either direct to the end office or

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.7 Interim 500 Access Service (Cont'd)

(A) Description (Cont'd)

via an equal access tandem on existing trunk groups. In end offices not equipped with equal access capabilities, Interim 500 Access Service will be provisioned in accordance with the technical characteristics available with FGC. At the customer's option, Interim 500 Access Service, 900 Access Service and TFC Access Service may be combined on the same trunk group. For a customer of FGC, Interim 500 Access Service can be provided through an existing trunk group or separate FGC trunk group which handles Interim 500 Access Service. At the customer's option, Interim 500 Access Service can be provided from both equal access and non-equal access end office switches over a FGD trunk group from the access tandem to the customer's premises if the customer can accept, on that trunk group, both exchange access and conventional signaling.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.7 Interim 500 Access Service (Cont'd)

(A) Description (Cont'd)

At the carrier's option all 500 attempts will be passed to the identified IC, who subsequently can screen the appropriate ANI II digits for call disposition. The ANI II digits are described in Technical Reference Publication FR-64. This option is available in technically capable equal access offices. (C)

Interim 500 Access Service originating from equal access end offices with the customer identification function will be provided using exchange access signaling with overlap outpulsing and ten digit ANI. Interim 500 Access Service originating from equal access end offices/ tandems without the customer identification function, from end offices not having equal access capability, or for calls routed through operator services, will be provided using conventional signaling. On traffic using conventional signaling, other than FGC, the customer's facilities shall provide off hook supervision upon receipt of the transmitted digits.

Premium usage rates and charges apply to Interim 500 Access Service calls originated from end offices/tandems with equal access capability or calls originated from nonconforming offices via the customer of FGC. Additionally, nonrecurring charges as specified in 6.1.2(G) preceding and 6.8.6 following also apply.

Pass-through charges apply to query information provided to the Telephone Company by connecting local exchange companies in order to perform the translations required to complete Interim 500 Access Service calls. The pass-through charges will be provided to the Telephone Company by the connecting local exchange company. Pass-through rates are set forth in Section 6.8.6 following, and are applied on a per query basis.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.7 Interim 500 Access Service (Cont'd)

(B) Technical Specifications

Interim 500 Access Service trunk groups are provided with either Type B or Type C Transmission Specifications as follows:

- When routed directly to the end office either Type B or Type C is provided.

- When routed to an access tandem only Type B is provided.

- Type B or Type C is provided on the transmission path from the access tandem to the end office.

Type C Transmission Specifications are provided with Interface Group 1 when routed directly to an end office. Type B is provided with Interface Groups 2 through 9, whether routed directly to an end office or to an access tandem.

Telephone Company switch and customer premises interfaces apply to Interim 500 Access Service.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.8 Reserved For Future Use (T)

(D)

(D)

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.8 Reserved For Future Use (Cont'd) (T)

(D)

(D)

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.8 Reserved For Future Use (Cont'd) (T)

(D)

(D)

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.8 Reserved For Future Use (Cont'd) (T)

(D)

(D)

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.8 Reserved For Future Use (Cont'd) (T)

(D)

(D)

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.9 OptiPoint Services

(A) Basic Service Description

OptiPoint services provide point-to-point high speed synchronous optical fiber-based full duplex data transmission capabilities. There are three levels of OptiPoint services: OptiPoint-3 (OC3) is provided at a terminating bit rate of 155.52 Mbps; OptiPoint-12 (OC12) is provided at a terminating bit rate of 622.08 Mbps; and OptiPoint-48 is provided at a terminated bit rate of 2488.32 Mbps.

OptiPoint services are provided for periods of three or five years. When a customer orders OptiPoint service, the customer and the Telephone Company will work cooperatively to plan, engineer, provision and manage the OptiPoint circuits.

(1) Entrance Facilities

OptiPoint entrance facility channels may be used to connect the following:

- a customer designated premises to another customer designated premises, configured at wire center locations between the two premises; or

- a customer designated premises to a Telephone Company location where service configuration is performed.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.9 OptiPoint Services (Cont'd)

(A) Basic Service Description (Cont'd)

(1) Entrance Facilities (Cont'd)

(a) Based on customer requirements, OC3 service may be provisioned in the following configurations:

(i) OC3 - three Synchronous Transport Signals (STS1) channels which each contain the following: (C)

- one DS3 that is STS1 mapped;
- up to 28 DS1s that are VT mapped;
- an STS1 channel without constraint to payload mapping when the STS1 channel does not terminate via a service configuration function to DS1 or DS3 services within the network; or

(ii) A single concatenated STS3c channel.

(b) Based on customer requirements, OC12 service may be provisioned in the following configurations:

(i) OC12 - twelve STS1 channels which each contain:

- one DS3 that is STS1 mapped;
- up to 28 DS1s that are VT mapped;
- an STS1 channel without constraint to payload mapping when the STS1 channel does not terminate via a service configuration function to DS1 or DS3 services within the network;

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.9 OptiPoint Services (Cont'd)

(A) Basic Service Description (Cont'd)

(1) Entrance Facilities (Cont'd)

(b) (Cont'd)

(ii) Up to four concatenated STS3c channels;

(iii) From one to three STS3c channels mixed with from three to nine STS1 channels subject to utilization of the total OC12 capacity; or

(iv) A single concatenated STS12c channel.

(c) Based on customer requirements, OC48 service may be provisioned in the following configurations:

(i) OC48 – forty-eight STS1 channels which each contain:

- one DS3 that is STS1 mapped;
- up to 28 DS1s that are VT mapped;
- an STS1 channel without constraint to payload mapping when the STS1 channel does not terminate via a service configuration function to DS1 or DS3 services within the network;

(ii) Up to four concatenated STS12c channels;

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.9 OptiPoint Services (Cont'd)

(A) Basic Service Description (Cont'd)

(1) Entrance Facilities (Cont'd)

(c) (Cont'd)

(iii) Up to sixteen concatenated STS3c channels;

(iv) From one to three STS3c channels mixed with from 39 to 45 STS1 channels subject to utilization of the total OC48 capacity; or

(v) From one to three STS12c channels mixed with from four to twelve OC3 channels subject to utilization of the total OC48 capacity.

Current SONET standards do not provide for asynchronous DS3 to DS1 multiplexing. An STS1 channel may be mapped for either one DS3 or 28 DS1s. However, DS1s within a DS3 are not accessible within the SONET architecture, and their performance cannot be guaranteed for this reason. When the customer requests that an OC3, OC12 or OC48 service be configured with a combination of DS3 and DS1 channels, a DS3 to DS1 multiplexing arrangement, as set forth in 6.1.2(B)(5)(d) preceding will be required. (N)

Upon ordering OptiPoint service, the customer is responsible for identifying the STS signal configuration to be contained in each OC3, OC12, or OC48 service connection and each STS1, STS3, and/or STS12 payload content. This information is used in determining the route and connection in the network. If a new configuration is requested subsequent to the initial activation, a service reconfiguration charge will apply on a per service basis, as set forth in Section 6.8.2(D)(10)(a). The service reconfiguration charge is in addition to all applicable configuration node and configuration card charges associated with the new configuration.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.9 OptiPoint Services (Cont'd)

(A) Basic Service Description (Cont'd)

(1) Entrance Facilities (Cont'd)

OptiPoint service is provided with electronics that automatically activate in case of failure of the primary electronics. Since OptiPoint is a point-to-point service, SONET ring survivability will not be available. Rates for additional protection options requested by the customer will be quoted on an individual case basis and are in addition to the rates for OC3, OC12 and OC48 service.

OptiPoint entrance facilities provided to a customer's designated premises will be installed in a single, common space under Telephone Company control. An OptiPoint entrance facility may not be split between premises or terminated in multiple locations within a premises. The customer must provide suitable floor space, environmental controls and non-switched AC power to support the OptiPoint entrance facility at the customer's premises location.

OptiPoint entrance facilities will be provided with or without Telephone Company provided terminal equipment at the customer's premises. When a customer elects to furnish its own terminal equipment at the customer's premises, the customer will work cooperatively with the Telephone Company to provide a compatible physical interface, and will identify approved equipment types for use in conjunction with Telephone Company provided equipment. The customer is responsible for providing all facilities and cabling necessary to connect customer provided equipment to this interface.

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.9 OptiPoint Services (Cont'd)

(A) Basic Service Description (Cont'd)

(1) Entrance Facilities (Cont'd)

When entrance facilities are ordered in conjunction with special access high capacity services provisioned without terminating equipment at the customer's premises as set forth in Section 7 following, a common interface will be provisioned in accordance with the regulations governing shared use of facilities as set forth in Section 7.4.8 following. Switched access rates and charges as set forth in Section 6.8.2(A)(4) following will apply for each channel of the shared use facility that is used to provide switched access service.

OC3, OC12, and OC48 services may be configured for lower bandwidth services, at suitably equipped wire centers, by using appropriate OC3, OC12, or OC48 configuration nodes as set forth in (2) following.

OptiPoint entrance facilities are available only where facilities and operating conditions permit. The Telephone Company will work cooperatively with the customer to determine if suitable existing Telephone Company SONET based facilities are available to provide the service. The Telephone Company will not provision this service on facilities which are not suitable for OptiPoint. Where facilities and/or operating conditions do not permit the provision of OptiPoint entrance facilities, and the customer desires the Telephone Company to provision OptiPoint service, Special Construction charges, as set forth in Section 14 following, may apply.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.9 OptiPoint Services (Cont'd)

(A) Basic Service Description (Cont'd)

(2) Service Configuration

There are two types of charges associated with a service configuration as described following:

(a) Configuration Node - is an arrangement at the system level that allows an OC3 service bandwidth to add or drop lower level signals up to three DS3s or three groups of twenty-eight DS1s. An OC12 service bandwidth can add or drop lower level signals up to four OC3s or twelve DS3s or equivalent combinations of OC3s, DS3s, and DS1s. An OC48 service bandwidth can add or drop lower level signals up to four OC12s, sixteen OC3s, forty-eight DS3s, or equivalent combinations of OC12s, OC3s, and DS3s.

When the customer requests that a DS1 channel be connected to an OC48 service terminating at a Telephone Company central office, a DS3 to DS1 multiplexing arrangement, as set forth in 6.1.2(B)(5)(d) preceding, may be required.

Direct trunked transport can be connected between serving wire centers with configuration nodes at a lower OC-n speed than the channel termination, if the transport is between a lower speed configuration function and one of the following:

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.9 OptiPoint Services (Cont'd)

(A) Basic Service Description (Cont'd)

(2) Service Configuration

(a) (Cont'd)

- another lower speed configuration function; or (T)

- another lower speed channel termination. (T)

All of the above terminations must be provided at the same speed as the transport.

(b) Configuration Card - provides for the interface at which a channelized or lower speed service terminates or originates from an OptiPoint optical line terminated at a customer designated premises or a Telephone Company central office. DS1, DS3, OC3 concatenated, and STS-1 level cards are available for interfacing OptiPoint-3 service with lower level signals. DS1, DS3, OC3, OC3 concatenated, OC12 concatenated, STS-1, and STS-3 level cards are available for interfacing with OptiPoint-12 service. DS3, OC3, OC12, OC3 concatenated, OC12 concatenated, STS-1, and STS-3 level cards are available for interfacing with OptiPoint-48 service. When full OC3 and OC12 concatenated service is provided, no configuration node is required.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.9 OptiPoint Services (Cont'd)

(A) Basic Service Description (Cont'd)

(2) Service Configuration (Cont'd)

When a customer requests an OptiPoint service configuration, both the applicable node and card rate elements will apply. The rates for the configuration node and associated card(s) apply at each end of the entrance facility when Telephone Company provided terminal equipment is provided at the customer premises.

When the customer elects to furnish its own terminal equipment at the customer premises, the rates for the configuration node and associated card(s) apply only at the end of the entrance facility where Telephone Company equipment is provided.

Due to the technical limitations of SONET equipment, additional electronics are required when OptiPoint OC48 switched transport configurations exceed 66 miles. In such situations, the customer will be charged for the additional electronics on an individual case basis.

Rates and charges for the configuration node and configuration cards are set forth in 6.8.2 following. Additional labor charges as set forth in Section 13 following will apply to configuration changes for STS level service.

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

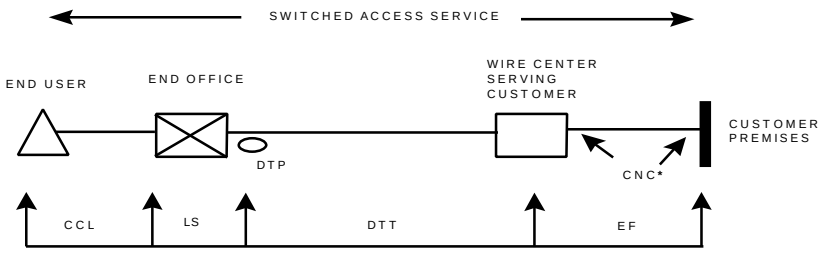
6.2.9 OptiPoint Services (Cont'd)

(A) Basic Service Description (Cont'd)

(2) Service Configuration (Cont'd)

The following diagrams depict generic views of the components of OptiPoint Service.

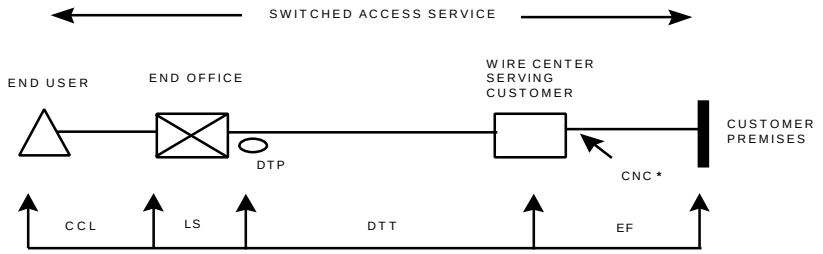
(A) OptiPoint Service withTelephone Company Provided Terminal Equipment at the Customer Premises



CCL: CARRIER COMMON LINE
LS: LOCAL SWITCHING
DTT: DIRECT-TRUNKED TRANSPORT
EF: ENTRANCE FACILITY
DTP: DEDICATED TRUNK PORT
CNC: CONFIGUATION NODE & CARDS

* WHERE APPLICABLE

(B) OptiPoint Service without Telephone Company Provided Terminal Equipment at the Customer Premises



CCL: CARRIER COMMON LINE
LS: LOCAL SWITCHING
DTT: DIRECT-TRUNKED TRANSPORT
EF: ENTRANCE FACILITY
DTP: DEDICATED TRUNK PORT
CNC: CONFIGUATION NODE & CARDS

* WHERE APPLICABLE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (Cont'd)

6.2.9 OptiPoint Services (Cont'd)

(B) Regulations

The rates and charges for OptiPoint services are set forth in Section 6.8.2 following and are in addition to any applicable rates and charges set forth in any other sections of this tariff. Monthly recurring rates applicable for OptiPoint service are billed in advance. A nonrecurring service upgrade charge as described in Section 6.7.1(C)(3) following may also apply to OptiPoint services.

(1) Monthly recurring charges are flat recurring rates that apply each month or fraction thereof that a specific rate element is provided regardless of the amount of usage. For billing purposes, each month is considered to have 30 days.

(2) OptiPoint service is available for minimum commitment periods of three or five years. If the customer requests that service be discontinued prior to the expiration of the three or five year minimum commitment period, a 50% penalty will be assessed for the remaining months of the term. For example, if a customer who has selected the three year option terminates service in month 12, they will be charged 50% of the remaining 24 months of billing. Additionally, customers may discontinue service, without penalty, should the monthly recurring rates increase by 10% or more at any one time. If the customer does not specify renewal terms in writing 90 days prior to the expiration of the three or five service period, the commitment period and OptiPoint rates in effect at the time of expiration will automatically renew. The customer can terminate OptiPoint service at the end of the minimum commitment period with no penalty or obligation to continue the service.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Optional Features

Following are descriptions of the various optional features that are available in lieu of, or in addition to, the standard features provided with the Feature Groups.

(A) Call Denial on Line or Hunt Group

This option allows for the screening of terminating calls within the exchange, and for the completion only of calls to 411, 611, 911, TFC, 555-1212, and a Telephone Company specified set of NXXs within the Telephone Company local exchange calling area of the dial tone office in which the arrangement is provided. All other calls are routed to a reorder tone or recorded announcement. This feature is provided in all electronic end offices. It is available with Feature Group A.

(B) Service Code Denial on Line or Hunt Group

This option allows for the screening of terminating calls within the exchange, and for disallowing completion of calls to 0-, 555 and N11 (e.g., 411, 611, and 911). This feature is provided where available in all Telephone Company electronic end offices. It is available with Feature Group A.

(C) Hunt Group Arrangement

This option provides the ability to sequentially access one of two or more line side connections in the originating direction, when the access code of the line group is dialed. This feature is provided in all Telephone Company end offices. It is available with Feature Group A.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Optional Features (Cont'd)

(D) Uniform Call Distribution Arrangement

This option provides a type of multiline hunting arrangement which provides for an even distribution of calls among the available lines in a hunt group. Where available, this feature is provided in Telephone Company electronic end offices only. It is available with Feature Group A.

(E) Nonhunting Number for Use with Hunt Group or Uniform Call Distribution Arrangement

This option provides an arrangement for an individual line within a multiline hunt or uniform call distribution group that provides access to that line within the hunt or uniform call distribution group when it is idle or provides busy tone when it is busy, when the nonhunting number is dialed. Where available, this feature is only provided in Telephone Company electronic end offices only. It is available with Feature Group A.

(F) Automatic Number Identification (ANI)

This option provides the automatic transmission of a seven or ten digit number and information digits to the customer's premises for calls originating in the exchange, to identify the calling station. Customer use of the ANI feature is subject to the limitations set forth in Section 2.1.2(D) preceding. The ANI feature is an end office software function which is associated on a call-by-call basis with (1) all individual transmission paths in a trunk group routed directly between an end office and a customer's premises or, where technically feasible, with (2) all individual transmission paths in a trunk group between an end office and an access tandem, and trunk group between an access tandem and a customer's premises.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Optional Features (Cont'd)

(F) Automatic Number Identification (ANI) (Cont'd)

The seven digit ANI telephone number is available with Feature Group B provided using Direct-Trunked Transport and with Feature Group C. With these Feature Groups, technical limitations may exist in Telephone Company switching facilities which require ANI to be provided only on a directly trunked basis. ANI will be transmitted on all calls except those originating from multiparty lines, pay telephones using Feature Group B, or when an ANI failure has occurred. Seven digit ANI is not available with SS7 signaling.

The ten digit ANI telephone number is only available with Feature Group D. The ten digit ANI telephone number consists of the Numbering Plan Area (NPA) plus the seven digit ANI telephone number. The ten digit ANI telephone number will be transmitted on all calls except those identified as multiparty line or ANI failure, in which case only the NPA will be transmitted (in addition to the information digit described below). Ten digit ANI is provided with multifrequency address signaling or SS7 signaling.

With Feature Group C, ANI is provided from end offices at which Tele-phone Company recording for end user billing is not provided, or where it is not required, as with TFC service. It is not provided from end offices for which the Telephone Company needs to forward ANI to its recording equipment.

Where ANI cannot be provided, e.g., on calls from certain multi-party services, information digits will be provided to the customer.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Optional Features (Cont'd)

(F) Automatic Number Identification (ANI) (Cont'd)

The information digits identify: (1) telephone number is the station billing number - no special treatment required, (2) multiparty line - telephone number is a 2-, 4- or 8-party line and cannot be identified - number must be obtained via an operator or in some other manner, (3) ANI failure has occurred in the end office switch which prevents identification of calling telephone number - must be obtained by operator or in some other manner, (4) hotel/motel originated call which requires room number identification, (5) pay telephone, hospital, inmate, etc. call which requires special screening or handling by the customer and (6) call is an Automatic Identified Outward Dialed (AIOD) call from customer premises equipment. The ANI telephone number is the listed telephone number of the customer and is not the telephone number of the calling party. These ANI in-formation digits are available with Feature Groups B, C, and D.

(G) Up to 7 Digit Outpulsing of Access Digits to Customer

This option provides for the end office capability of providing up to 7 digits of the uniform access code (950-XXXX) to the customer's premises. The customer can request that only some of the digits in the access code be forwarded. The access code digits would be provided to the customer's premises using multifrequency signaling, and transmission of the digits would precede the forwarding of ANI if that feature were provided. It is available with Feature Group B.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Optional Features (Cont'd)

(H) Cut-Through

This option allows end users of the customer to reach the customer's premises by using the end of dialing digit (#). This option provides for connection of the call to the premises of the customer indicated by the 101XXXX code upon receipt of the end of dialing digit (#). The Telephone Company will not record any other dialed digits for these calls. This option is available with Feature Group D.

(I) Revertive Pulse Address Signaling

This option provides for a dc pulsing arrangement that transmits intelligence in the following manner:

(1) The equipment at the originating location presets itself to represent the number of pulses required and to count the pulses received from the terminating location.

(2) The equipment at the terminating location transmits a series of pulses by the momentary grounding of its battery supply until the originating location breaks the dc path to indicate that the required number of pulses has been counted.

This option is available with Feature Group C.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Optional Features (Cont'd)

(J) Delay Dial Start-Pulsing Signaling

This option provides a method of indicating to the near end trunk circuit readiness to accept address signaling information by the far end trunk circuit. Delay dial is often referred to as an off-hook, on-hook signaling sequence. The delay dial signal is the off-hook interval and the start-pulsing signal is the on-hook interval. With integrity check, the calling office will not outpulse until a delay dial (off-hook) signal followed by a start-pulsing (on-hook) signal has been identified at the calling office. This option is available with Feature Group C.

(K) Immediate Dial Pulse Address Signaling

This option provides for the forwarding of dial pulses from the Telephone Company end office to the customer without the need of a start-pulsing signal from the customer. It is available with Feature Group C.

(L) Dial Pulse Address Signaling

This trunk size option provides for the transmission of number information, e.g., called number, between the end office switching system and the customer's premises (in either direction) by means of direct current pulses. It is available with Feature Group C.

(M) Panel Call Indicator Address Signaling

This option provides a dc pulsing arrangement in which each digit is transmitted as a series of four marginal and polarized impulses. It is available with Feature Group C.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Optional Features (Cont'd)

(N) Service Class Routing

This option provides the capability of directing originating traffic from an end office to a trunk group to a customer designated premises based on the line class of service (e.g., pay telephone, multiparty or hotel/motel), service prefix indicator (e.g., 0-, 0+, 01+ or 011+) or service access code (e.g., 800 or 900). It is provided in suitably equipped end office or access tandem switches and is available with Feature Groups C and D.

(O) Alternate Traffic Routing

(1) Multiple Customer Premises Alternate Routing

This option provides the capability of directing originating traffic from an end office (or appropriately equipped access tandem) to a trunk group (the "high usage" group) to a customer designated premises until that group is fully loaded, and then delivering additional originating traffic (the "overflowing" traffic) from the same end office or access tandem to a different trunk group (the "final" group) to the same or a second customer designated premises. The customer shall specify the last trunk CCS desired for the high usage group. It is provided in suitably equipped end office or access tandem switches and is available with Feature Groups B, C and D.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Optional Features (Cont'd)

(O) Alternate Traffic Routing (Cont'd)

(2) End Office Alternative Routing When Ordered in Trunks

This option provides an alternate routing arrangement for customers who order in trunks and have access for a particular Feature Group to an end office via two routes: one route via an access tandem and one direct route. The feature allows the customer's originating traffic from the end office to be offered first to the direct trunk group and then overflow to the access tandem group. It is provided in suitably equipped end offices and is available with Feature Groups B and D.

(P) Trunk Access Limitation

This option provides for the routing of originating 900 service calls to a specified number of transmission paths in a trunk group, in order to limit (choke) the completion of such traffic to the customer. Calls to the designated service which could not be completed over the subset of transmission paths in the trunk group, i.e., the choked calls, would be routed to reorder tone.

It is provided in all Telephone Company electronic end offices. It is available with Feature Groups C and D.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Optional Features (Cont'd)

(Q) Call Gapping Arrangement

This option, provided in suitably equipped end office switches, provides for the routing of originating calls to 900 service to be switched in the end office to all transmission paths in a trunk group at a prescribed rate of flow, e.g., one call every five seconds, in order to limit (choke) the completion of such traffic to the customer. Calls to the designated service which are denied access by this feature, i.e., the choked calls, would be routed to a no-circuit announcement. It is provided in selected Feature Group D equipped end offices and is available only with Feature Group D.

(R) Reserved For Future Use

(S) Band Advance Arrangement for Use with Special Access Service Utilized for Connection with Switched Access Service

This option, which is provided in association with two or more Special Access Service groups, provides for the automatic overflow of terminating calls to a Special Access Service group, when that group has exceeded its call capacity, to another Special Access Service group with a band designation equal to or greater than that of the overflowing Special Access Service group. This arrangement does not provide for call overflow from a group with a higher band designation to one with a lower one. This option is available with Feature Groups A, B, C and D.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Optional Features (Cont'd)

(T) End Office End User Line Service Blocking and Screening Options for Use with Special Access Service Utilized for Connection with Switched Access Service

The following options allow the customer to verify (by screening the called NPA and/or NXX) that an end user has dialed a telephone number which is in accordance with that end user's service agreement with the customer, e.g., WATS. Additionally, the customer may elect to have calls routed by the Telephone Company for completion or, alternatively, to have end user dialed calls blocked when such calls are in conflict with individual state policies. Other options with this arrangement are offered for 101XXXX dialing, which is only offered at a WATS office that has been converted to equal access, international calling, 700, TFC, or 900 dialing. All 0+ calls will be passed to the designated customer unless elective screening options are requested. End offices which have been designated as WATS serving offices are as set forth in Exchange Carrier Association Tariff F.C.C. No. 4. Paragraphs (1) through (9) set forth the Telephone Company options subject to availability. Other arrangements requested by the customer may be provided on an Individual Case Basis (ICB), determined by availability of facilities. The combination of a WATS Special Access Circuit (WSAC), which is a dedicated service termination between the customer's end user and a WATS Serving Office, is the minimum configuration required as specified in 7.2.9(A).

(x) On Original Page 6-117, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Optional Features (Cont'd)

(T) End Office End User Line Service Blocking and Screening Options for Use with Special Access Service Utilized for Connection with Switched Access Service (Cont'd)

(1) Predetermined Geographical Screening

Verifies (by screening the called NPA and/or NXX on the basis of geographical bands selected by the Telephone Company) that the party originating a call is dialing a geographically determined or bounded area, called party address which is in accordance with that end user's service agreement with the customer. This option is provided in all Telephone Company electronic end offices in which the WSO function is available. It is available with Feature Groups C and D.

(2) Multiple Carrier Access Blocking

Provides for the blocking of 101XXXX dialed calls attempted by the end user on WSACs served from equal access WSOs. When this option is requested by the customer, the call attempt will be terminated to either a recorded message when available, or intercept. If this option is not requested, 101XXXX dialed calls will be delivered to the carrier identified by the XXXX code.

(3) 700 Code Blocking

Provides for the blocking of 700 dialed calls attempted by the end user on WSACs. When this option is requested by the customer, the call attempt will be completed to either a recorded message when available, or intercept. If this option is not requested, 700 dialed calls will be delivered to the carrier identified with the WSAC.

(4) Toll Free Code (TFC) Blocking

Provides for the blocking of TFC dialed calls attempted by the end user on WSACs. When this option is

(x) On Original Page 6-118, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Optional Features (Cont'd)

(T) End Office End User Line Service Blocking and Screening Options for Use with Special Access Service Utilized for Connection with Switched Access Service (Cont'd)

(4) Toll Free Code (TFC) Blocking (Cont'd)

requested by the customer, the call attempt will be completed to either a recorded message when available, or intercept. If this option is not requested, TFC dialed calls will be completed in accordance with the Telephone Company's TFC access translation tables.

(5) 900 Code Blocking

Provides for the blocking of 900 dialed calls attempted by the end user on WSACs. When this option is requested by the customer, the call attempt will be completed to either a recorded message when available, or intercept. If this option is not requested, 900 dialed calls will be delivered to the appropriate carrier identified with the WSAC.

(6) Intrastate Jurisdictional Blocking

Provides for the blocking of intrastate dialed calls placed from a WSAC. This option may be used to meet state restrictions placed upon telephone communications originated from a WSAC in that state. When this option is requested by the customer, all intrastate dialed calls placed on this WSAC including 0+ calls will be completed to either a recorded message when available, or intercept.

(7) Intrastate IntraLATA Access Blocking

Provides for the blocking of intrastate intraLATA dialed calls placed from a WSAC. This option may be used to meet state restrictions placed upon telephone communications originated from a WSAC in that state.

(x) On Original Page 6-119, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Optional Features (Cont'd))

(T) End Office End User Line Service Blocking and Screening Options for Use with Special Access Service Utilized for Connection with Switched Access Service (Cont'd)

(7) Intrastate IntraLATA Access Blocking (Cont'd)

When this option is requested by the customer, all intrastate intraLATA dialed calls placed on this WSAC including 0+ calls will be completed to either a recorded message when available, or intercept.

(8) Intrastate IntraLATA Access Screening

Provides for the screening of intrastate intraLATA dialed calls placed from a WSAC. This option may be used to meet state restrictions placed upon traffic originated from a WSAC in that state. When this option is requested by the customer, all intrastate intraLATA dialed calls attempted on the WSAC, including 0+ calls, will be completed on the Telephone Company's network. Unless other arrangements are made between the Telephone Company and the customer, all intrastate intraLATA usage will be billed from the appropriate state tariff to the customer of record. Other billing arrangements, such as direct billing to the end user, are possible upon mutual agreement of all parties.

(9) International Access Blocking

Provides for the blocking of all international dialed calls placed from a WSAC. When this option is requested by the customer, all direct dialed international calls placed on the WSAC will be blocked and the call will be completed to either a recorded message, when available, or intercept. If this option is not requested, all international dialed calls will be forwarded to the customer.

(x) On Original Page 6-120, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Optional Features (Cont'd)

(U) Hunt Group Arrangement for Use with Special Access Service Utilized for Connection with Switched Access Service

This option provides the ability to sequentially access one of two or more Special Access Services utilized for connection with Switched Access Service (e.g., TFC Service) in the terminating direction, when the hunting number of the Special Access Service group is forwarded from the customer to the Telephone Company. This feature is provided in all Telephone Company designated WATS Serving Offices. It is available with Feature Groups A, B, C, and D.

(V) Uniform Call Distribution Arrangement for Use with Special Access Service Utilized for Connection with Switched Access Service

This option provides a type of multiline hunting arrangement which provides for an even distribution of terminating calls among the available Special Access Services utilized for connection with Switched Access Service in the hunt group. Where available, this feature is only provided in Telephone Company designated WATS Serving Offices. It is available with Feature Groups A, B, C and D.

(x) On Original Page 6-121, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Optional Features (Cont'd)

(W) Nonhunting Number for Use with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with Special Access Service Utilized for Connection with Switched Access Service

This option provides an arrangement for an individual Special Access Service utilized for connection with Switched Access Service with a multiline hunt or uniform call distribution group that provides access to that Special Access Service within the hunt or uniform call distribution group when it is idle or provides busy tone when it is busy, when the nonhunting number is dialed. Where available, this feature is only provided in Telephone Company designated WATS Serving Offices. It is available with Feature Groups A, B, C and D.

(x) On Original Page 6-122, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Optional Features (Cont'd)

(X) InterLATA Call Denial on Line or Hunt Group

This chargeable optional feature allows for the screening of terminating calls, and for the completion of only those calls which remain within the LATA of the dial tone office. All calls to end offices which are outside the LATA of the dial tone office are routed to a reorder tone or recorded announcement. This feature is provided only in appropriately equipped end offices. It is available with Feature Group A. A nonrecurring charge will apply to each FGA line to be screened. This charge will be equal to the sum of: (1) the initial service connection service order charge for business customers, and (2) the central office work charge for business customers; both charges are detailed in the Telephone Company's local and/or general exchange service tariff.

(Y) Rotary Dial Station Signaling

This option provides for the transmission of called party address signaling from rotary dial stations to the customer's premises for originating calls. This option is provided in the form of a specific type of Transport Termination. It is available with Feature Group B, only on a directly trunked basis.

(x) On Original Page 6-123, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Optional Features (Cont'd))

(Z) Operator Trunk - Pay Telephone

This option may be ordered to provide pay telephone operation. It is available only with Feature Group C and is provided in electronic end offices and other Telephone Company end offices where equipment is available. It is provided as a trunk type of Transport Termination.

This arrangement provides for initial coin return control and routing of 0+, 0-, 1+, 01+ or 011+ prefixed originating pay telephone calls requiring operator assistance to the customer's premises. Because operator assisted pay telephone traffic is routed over a trunk group dedicated to operator assisted calls, this arrangement is only provided in association with the Service Class Routing option.

The operator assistance pay telephone calling arrangement is also normally ordered by the customer in conjunction with the ANI optional feature, since the preponderance of trunk groups equipped with this arrangement will be terminated in the customer's TSPS systems, rather than in the customer's premises equipment.

When so equipped, the ANI feature provides for the forwarding of information digits which identify that the call has originated from a hotel or motel, and whether room number identification is required, or that special screening is required, e.g., for public stations, dormitory or inmate stations, or other screening arrangements agreed to between the customer and the Telephone Company.

(x) On Original Page 6-124, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Optional Features (Cont'd)

(AA) Operator Trunk - Full Feature

This option provides the operator functions available in the end office to the customer's operator. These functions are (1) Operator Released, (2) Operator Attached, (3) Coin Collect, (4) Coin Return, and (5) Ringback. It is available with Feature Group D and is provided as a trunk type for Transport Termination. This feature is not available with SS7 Signaling.

(BB) SwitchLink Plus(sm) Access Capability

This option allows for a connection between the customer's premises and a suitably equipped end user's premises utilizing tandem and/or end office switching capable of transmitting 56 Kbps digital data. SwitchLink Plus(sm) Access Capability is available with Feature Group D and is only available from suitably equipped electronic end offices as identified in the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4. Customers subscribing to this service may handle MTS/MTS-like service and SwitchLink Plus(sm) Access Capability at their point of interface over the same trunks or over separate trunks.

(x) On Original Page 6-125, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Optional Features (Cont'd)

(CC) Flexible Automatic Number Identification (Flex ANI)

The Flex ANI feature provides an enhancement to the existing ANI Information Indicator (ANI II) digits which are included in the ANI optional feature as described in 6.3(F) preceding. The Flex ANI feature provides additional values for the ANI II digits that are associated with various classes of service not available with the standard ANI digits. This feature is provided per host central office on a Carrier Identification Code (CIC) basis. Flex ANI is available with Feature Group D service in equal access end offices where technically feasible and must be provisioned with the ten digit ANI optional feature.

(DD) Multifrequency Address Signaling

This feature, available with FGB, FGC, and FGD, provides for the transmission of number information and control signals (e.g., number address signals, automatic number identification) between the end office switch and the customer's premises (in either direction). Multifrequency signaling arrangements make use of pairs of frequencies out of a group of six frequencies. Specific information transmitted is dependent upon feature group and call type (i.e., POTS, coin or operator). This feature is not available in combination with SS7 signaling.

(x) On Original Page 6-126, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Optional Features (Cont'd)

(EE) Signaling System 7 (SS7) Signaling

This feature provides common channel out of band transmission of address and supervisory SS7 protocol signaling information between the end office switch or the tandem office switching system and the customer's designated premises. The signaling information is transmitted over facilities provided with the Common Channel Signaling/Signaling System 7 Interconnection Service as specified in 6.1.2(B)(6) preceding. This feature is available with FGD and will be provided in accordance with the SS7 Interconnect specifications described in Technical Reference Publication GR-905. (C)

Where the end office is capable of passing the Calling Party Number parameter within the initial address message, subject to the originating caller's use of available mechanisms to invoke the privacy of their number, the calling party number will be passed to the customer.

The Calling Party Number (CPN)* parameter provides for the automatic transmission of the ten digit directory number, associated with a calling station, to the customer's premises for calls originating in the LATA. The ten digit telephone number consists of the NPA plus the seven digit telephone number, which may or may not be the same number as the calling station's charge number. The ten digit telephone number will be coded as presented, or restricted via a "privacy indicator" for delivery to the called end user. This parameter is provided with originating FGD with SS7 signaling.

* CPN is available where technically feasible and where the Telephone Company has made optional blocking available to the originating end user.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Optional Features (Cont'd)

(FF) International Carrier Option

This option allows for Feature Group D end office or access tandem switches equipped for International Direct Distance Dialing to be arranged to forward the international calls of one or more carriers to the customer (i.e., the Telephone Company is able to route originating international calls to a customer other than the one designated by the end user either through presubscription or 101XXXX dialing). This arrangement requires provision of written verification to the Telephone Company that the customer is authorized to forward such calls. The written verification must be in the form of a letter of agency authorizing the customer to order the option on behalf of the carrier. This option is only provided at Telephone Company end offices or access tandems equipped for International Direct Distance Dialing and is available only with Feature Group D.

(GG) Intrastate Carrier Option

This option allows for Feature Group D end office or access tandem switches to forward the intrastate calls of one or more carriers to the customer (i.e., the Telephone Company is able to route originating intrastate calls to a customer other than the one designated by the end user either through presubscription or 101XXXX dialing). This arrangement requires provision of written verification to the Telephone Company that the customer is authorized to forward such calls. The written verification must be in the form of a letter of agency authorizing the customer to order the option on behalf of the carrier. This option is only provided at Telephone Company end offices or access tandems equipped with Feature Group D.

(x) On Original Page 6-128, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Optional Features (Cont'd)

(HH) Call Restriction

This option allows for the screening of terminating calls and for the completion only of calls to a Telephone Company specified set of service codes and NXXs within the Telephone Company local exchange calling area of the dial tone office in which the arrangement is provided. All other "toll" calls are routed to a reorder tone or recorded announcement. It is available with Feature Group A only in those offices where such capabilities exist.

(II) Carrier Identification Parameter (CIP)

This option provides for the delivery of the Carrier Identification Code or the access code (101XXXX) to the customer within the initial address message SS7 call setup protocol. CIP is forwarded on originating Feature Group D switched access calls transported over SS7 trunks. CIP is available at no charge from suitably equipped end offices and access tandems.

(JJ) Carrier Selection Parameter (CSP)

This feature provides for the automatic transmission of a signaling indicator which signifies to the customer whether or not the call being processed originated from a presubscribed line. If the line was presubscribed, the indicator will signify if the end user did or did not dial 101XXXX. This feature is provided with originating FGD with SS7 signaling.

(KK) Charge Number (CN)

This option provides for the automatic transmission of the ten digit billing number of the calling station number and originating line information. Customer use of the Charge Number feature is subject to the limitations set forth in Section 2.1.2(D) preceding. The specific protocol for CN is contained in Technical Reference Publication GR-905. This feature is available only with Feature Group D when the SS7 signaling option is specified. (C)

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Optional Features (Cont'd)

(LL) Call Screening

This feature provides for the passing of call screening digits on all calls that originate from Feature Group A lines. With Call Screening, the FGA dial tone office switched translations associated with the FGA line generate the ANI information digits of 07 on each call passed. Call Screening is available with FGA in suitably equipped end offices.

(MM) Switched 64 Clear Channel Capability

This option provides for a connection capable of transmitting 64.0 kbps digital data with clear channel capability between the customer's designated premises and a suitably equipped end office. Switched 64 Clear Channel Capability allows a customer to transport an all zero octet over a DS1/1.544 Mbps high capacity channel providing an available combined maximum 1.536 Mbps data rate. This option requires all digital facilities, including the use of Interface Group 6 or 9, and is available only with Feature Group D from end offices capable of providing SS7 signaling, Bipolar with Eight Zero Substitution (B8ZS) line code format, and Integrated Services Digital Network (ISDN) or other switched data base services. Switched 64 Clear Channel Capability is available in suitably equipped end offices as specified in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4. (C)

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Optional Features (Cont'd)

(NN) Feature Group D with 950 Access

This option may be ordered to route calls from a designated 950-XXXX access code to Feature Group D access service. The Telephone Company will direct designated 950-XXXX calls dialed by the customer's end users to the customer's FGD access service, using FGD signaling protocols and technical specifications. The customer must be prepared to differentiate between standard FGD calls and 950-dialed calls delivered over the same trunks. FGD with 950 Access will be provided from equal access conforming Telephone Company end offices and tandems, where technically feasible. Calls delivered to the customer's FGD access service when the customer's end user dials a 950-XXXX access code will be rated as FGD.

When a customer has FGD access service and does not have FGB access service from a particular end office, this option may be ordered to activate a customer's designated 950-XXXX access code in that end office. When a customer has both FGB and FGD access services and orders this option in a particular end office, the Telephone Company will direct designated 950-XXXX calls dialed by the customer's end users to the customer's FGD access service in that end office. The customer is prohibited from having 950-XXXX access to originating FGD and originating FGB in the same end office or tandem utilizing the same 950-XXXX access code.

In Telephone Company end offices and tandems that do not support four digit carrier identification codes (CIC) for FGD, the 950-XXXX access code is only available to customers using a three digit CIC in the form 950-0XXX or 950-1XXX. In Telephone Company end offices and tandems that do support four digit CIC for FGD, the 950-XXXX access code is available to customers using either a three digit or four digit CIC in the forms 950-0XXX, 950-1XXX, and 950-XXXX. In any event, the CIC specified by the customer, either 3 digit or 4 digit, must be a valid CIC assigned for use by that customer. This option is available only with Feature Group D.

(x) On Original Page 6-131, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Optional Features (Cont'd)

(OO) Extended Superframe Format (ESF)

The ESF optional feature is available at suitably equipped end offices, and passes a customer provided framing format for 1.544 Mbps high capacity service. ESF extends the customer's 1.544 Mbps framing structure from 12 to 24 frames and divides the 8 Kbps 193rd bit position pattern into three distinct functionalities: 2 Kbps for frame synchronization, 2 Kbps for cyclic redundancy checking, and 4 Kbps used primarily for performance monitoring information.

(x) On Original Page 6-132, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Optional Features (Cont'd)

6.3.1 End Office Signaling Service

(A) End Office Signaling Service (EOSS) is a nonchargeable optional feature available with Feature Group D switched access service. EOSS provides an Alternative Tandem Switching Provider (ATSP) with the following information to allow the ATSP to perform tandem switching functions for calls originated from certain Telephone Company end offices:

(1) Carrier Identification Code (CIC)
(2) Carrier Trunk Group Number (OZZ)

(B) EOSS is available from all Telephone Company equal access end offices in the following jurisdictions:

Florida
Indiana
Missouri
Nevada
North Carolina
Ohio
Pennsylvania
Tennessee
Virginia

(C) EOSS may be provided using Multifrequency (MF) signaling, or SS7 signaling where SS7 capabilities are available. When EOSS is provided with SS7 signaling, the ATSP must establish a connection to Telephone Company Signal Transfer Points (STPs) in the manner described in Section 6.1.2(B)(6) preceding for the transmission of SS7 signaling information between the ATSP and Telephone Company end offices.

(D) EOSS for TFC Access Service calls is available only from Telephone Company end offices equipped with Service Switching Points (SSPs).

(x) On Original Page 6-133, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Optional Features (Cont'd)

6.3.1 End Office Signaling Service (Cont'd)

(E) ATSP tandem services must conform to industry protocols for MF and SS7 signaling. The Telephone Company is not responsible for ATSP tandem performance.

(F) EOSS may be provided in conjunction with one of the following interconnection arrangements:

(1) Switched Access Direct-Trunked Transport, as described in Section 6.1.2(B)(2) preceding, from the ATSP location to the end office where EOSS has been ordered, or

(2) Virtual Collocation, as described in Section 17.6 following, in the end office where EOSS has been ordered.

(G) An Access Service Request must be submitted for each Telephone Company end office where EOSS is requested. Access order charges as set forth in Section 5.2 preceding will apply to requests for EOSS.

(H) The assignment of ATSP Trunk Group Numbers (TGNs), which will appear on Telephone Company Automatic Message Accounting (AMA) records, are under the exclusive control of the Telephone Company until such time as industry-wide trunk group numbering conventions are established. The Telephone Company will work with the ATSP to coordinate numbering assignments and conformance to technical requirements of the Telephone Company.

(x) On Original Page 6-134, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Optional Features (Cont'd)

6.3.1 End Office Signaling Service (Cont'd)

(I) The rates and regulations associated with Feature Group D Switched Access Service apply to all originating and terminating traffic routed from or to an ATSP. A FGD percent interstate use (PIU) factor, as set forth in Section 2.3.11(A) preceding, is required for all Telephone Company terminating minutes routed through an ATSP.

(J) The ATSP must provide billing tapes to the Telephone Company on a monthly basis to allow appropriate billing of terminating traffic routed through the ATSP. The customer of record for the Switched Access Direct-Trunked Transport arrangement or the Virtual Collocation arrangement over which EOSS is provided shall be the same customer of record for billing purposes for the difference between the terminating minutes delivered through that arrangement to the Telephone Company end office as determined by the Telephone Company and the terminating minutes as reported on the billing tapes provided by the ATSP. The format for the billing tapes will be agreed upon by the Telephone Company and the ATSP before EOSS is provided. The ATSP must retain documentation in support of the billing information contained on tapes submitted to the Telephone Company for a period of 15 months after submission of the tapes. The Telephone Company reserves the right to audit billing tape information with such supporting documentation upon 30 days' notice to the ATSP. Billing disputes based on information contained in ATSP-provided billing tapes must be resolved jointly by the claimant, the Telephone Company and the ATSP. The ATSP is responsible for submitting billing tapes to the Telephone Company in a timely manner. Penalties assessed against the Telephone Company for late billing based on late submission of ATSP billing tapes will be charged back to the ATSP.

(x) On Original Page 6-135, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Service Provisioning

Each Switched Access Service transmission path is provided with standard transmission specifications. There are three different standard specifications (Types A, B and C). The standard for a particular transmission path is dependent on the Feature Group, the Interface Group and whether the service is directly routed or via an access tandem. The available transmission specifications are set forth in 6.4.1 following. Data Transmission Parameters are also provided with each Switched Access Service transmission path. The Telephone Company will, upon notification by the customer that the data parameters set forth in 6.4.2(A) or 6.4.2(B) are not being met, conduct tests independently or in cooperation with the customer, and take any necessary action to insure that the data parameters are met.

The Telephone Company will maintain existing transmission specifications on functioning service configurations installed prior to the effective date of this tariff except that service configurations having performance specifications exceeding the standards listed in this provision will be maintained at the performance levels specified in this tariff.

The transmission specifications contained in this Section are immediate action limits. Acceptance limits are set forth in Technical Reference Publication GR-3334. This Technical Reference also provides the basis for determining Switched Access Service maintenance limits. (C)

6.4.1 Standard Transmission Specifications

Following are descriptions of the three Standard Transmission Specifications available with Switched Access Service Arrangements. The specific applications in terms of the Service Arrangement and Interface Groups with which the Service Arrangement Standard Transmission Specifications are provided are set forth in 6.2.1(C), 6.2.2(C), 6.2.3(C), 6.2.4(C), 6.2.5(B), 6.2.6(B) and 6.2.7(B) preceding.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Service Provisioning (Cont'd)

6.4.1 Standard Transmission Specifications (Cont'd)

(A) Type A Transmission Specifications

Type A Transmission Specifications is provided with the following parameters:

(1) Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is ± 2.0 dB.

(2) Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to the loss at 1004 Hz is - 1.0 dB to + 3.0 dB.

(3) C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is less than or equal to:

Route Miles	C-Message Noise
less than 50	32 dBrnCO
51 to 100	34 dBrnCO
101 to 200	37 dBrnCO
201 to 400	40 dBrnCO
401 to 1000	42 dBrnCO

(4) C-Notch Noise

The maximum C-Notch Noise, utilizing a -16 dBmO holding tone, is less than or equal to 45 dBrnCO.

(x) On Original Page 6-137, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Service Provisioning (Cont'd)

6.4.1 Standard Transmission Specifications (Cont'd)

(A) Type A Transmission Specifications (Cont'd)

(5) Echo Control

Echo Control, identified as Equal Level Echo Path Loss, and expressed as Echo Return Loss and Singing Return Loss, is dependent on the routing, i.e., whether the service is routed directly from the customer's point of termination (POT) to the end office or via an access tandem. It is equal to or greater than the following:

	Echo Return Loss	Singing Return Loss
POT to Access Tandem	21 dB	14 dB
POT to End Office		
- Direct	N/A	N/A
- Via Access Tandem	16 dB	11 dB

(x) On Original Page 6-138, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Service Provisioning (Cont'd)

6.4.1 Standard Transmission Specifications (Cont'd)

(B) Type B Transmission Specifications

Type B Transmission Specifications are provided with the following parameters:

(1) Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is ± 2.5 dB.

(2) Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to loss at 1004 Hz is -2.0 dB to +4.0 dB.

(3) C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is less than or equal to:

	C-Message Noise*	
Route Miles	Type B1	Type B2
less than 50	32 dBrnCO	35 dBrnCO
51 to 100	33 dBrnCO	37 dBrnCO
101 to 200	35 dBrnCO	40 dBrnCO
201 to 400	37 dBrnCO	43 dBrnCO
401 to 1000	39 dBrnCO	45 dBrnCO

* For Feature Groups C and D only Type B2 will be provided. For Feature Groups A and B, Type B1 or B2 will be provided as set forth in Technical Reference Publication GR-3334. (C)

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Service Provisioning (Cont'd)

6.4.1 Standard Transmission Specifications (Cont'd)

(B) Type B Transmission Specifications (Cont'd)

(4) C-Notch Noise

The maximum C-Notch Noise, utilizing a -16 dBm0 holding tone is less than or equal to 47 dBrnCO.

(5) Echo Control

Echo Control, identified as Impedance Balance for FGA and FGB and Equal Level Echo Path Loss for FGC and FGD, and expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), is dependent on the routing, i.e., whether the service is routed directly from the customer's point of termination (POT) to the end office or via an access tandem. The ERL and SRL also differ by Feature Group, type of termination, and type of transmission path. They are greater than or equal to the following:

	Echo Return Loss	Singing Return Loss
POT to Access Tandem		
- Terminated in 4-Wire trunk	21 dB	14 dB
- Terminated in 2-Wire trunk	16 dB	11 dB
POT to End Office		
- Direct	16 dB	11 dB

(x) On Original Page 6-140, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Service Provisioning (Cont'd)

6.4.1 Standard Transmission Specifications (Cont'd)

(B) Type B Transmission Specifications (Cont'd)

(5) Echo Control (Cont'd)

	Echo Return Loss	Singing Return Loss
- Via Access Tandem		
• For FGB access	8 dB	4 dB
• For FGC access (Effective 4-Wire trans-mission path at end office)	16 dB	11 dB
• For FGC access (Effective 2-Wire trans-mission path end office)	13 dB	6 dB

(x) On Original Page 6-141, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Service Provisioning (Cont'd)

6.4.1 Standard Transmission Specifications (Cont'd)

(C) Type C Transmission Specifications

Type C Transmission Specifications are provided with the following parameters:

(1) Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is + 3.0 dB.

(2) Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to loss at 1004 Hz is -2.0 dB to +5.5 dB.

(3) C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is less than or equal to:

	C-Message Noise*	
Route Miles	Type C1	Type C2
less than 50	32 dBrnCO	38 dBRNCO
51 to 100	33 dBRNCO	39 dBRNCO
101 to 200	35 dBRNCO	41 dBRNCO
201 to 400	37 dBRNCO	43 dBRNCO
401 to 1000	39 dBRNCO	45 dBRNCO

* For Feature Groups C and D only Type C2 will be provided. For Feature Groups A and B, Type C1 or C2 will be provided as set forth in Technical Reference Publication GR-3334. (C)

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Service Provisioning (Cont'd)

6.4.1 Standard Transmission Specifications (Cont'd)

(C) Type C Transmission Specifications (Cont'd)

(4) C-Notch Noise

The maximum C-Notch Noise, utilizing a -16 dBm0 holding tone is less than or equal to 47 dBrnCO.

(5) Echo Control

Echo Control, identified as Return Loss and expressed as Echo Return Loss and Singing Return Loss is equal to or greater than the following:

	Echo Return Loss	Singing Return Loss
POT to End Office		
- Direct	13 dB	6 dB

(x) On Original Page 6-143, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Service Provisioning (Cont'd)

6.4.2 Data Transmission Parameters

Two types of Data Transmission Parameters, i.e., Type DA and Type DB, are provided for the Feature Group arrangements. The specific applications in terms of the Feature Groups with which they are provided are set forth in 6.2.1(C), 6.2.2(C), 6.2.3(C) and 6.2.4(C) preceding. Following are descriptions of each.

(A) Data Transmission Parameters Type DA

(1) Signal to C-Notched Noise Ratio

The Signal to C-Notched Noise Ratio is equal to or greater than 33 dB.

(2) Envelope Delay Distortion

The maximum Envelope Delay Distortion for the frequency bands and route miles specified is:

604 to 2804 Hz

less than 50 route miles	500 microseconds
equal to or greater than 50 route miles	900 microseconds

1004 to 2404 Hz

less than 50 route miles	200 microseconds
equal to or greater than 50 route miles	400 microseconds

(x) On Original Page 6-144, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

6. Switched Access Service (Cont'd)

6.4 Service Provisioning (Cont'd)

6.4.2 Data Transmission Parameters (Cont'd)

(A) Data Transmission Parameters Type DA (Cont'd)

(3) Impulse Noise Counts

The Impulse Noise Counts exceeding a 65 dBrnCO threshold in 15 minutes is no more than 15 counts.

(4) Intermodulation Distortion

The Second Order (R2) and Third Order (R3) Intermodulation Distortion products are equal to or greater than:

Second Order (R2)	33 dB
Third Order (R3)	37 dB

(5) Phase Jitter

The Phase Jitter over the 4-300 Hz frequency band is less than or equal to 5° peak-to-peak.

(6) Frequency Shift

The maximum Frequency Shift does not exceed -2 to +2 Hz.

(B) Data Transmission Parameters Type DB

(1) Signal to C-Notched Noise Ratio

The signal to C-Notched Noise Ratio is equal to or greater than 30 dB.

(x) On Original Page 6-145, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Service Provisioning (Cont'd)

6.4.2 Data Transmission Parameters (Cont'd)

(B) Data Transmission Parameters Type DB (Cont'd)

(2) Envelope Delay Distortion

The maximum Envelope Delay Distortion for the frequency bands and route miles specified is:

604 to 2804 Hz

less than 50 route miles	800 microseconds
equal to or greater than 50 route miles	1000 microseconds

1004 to 2404 Hz

less than 50 route miles	320 microseconds
equal to or greater than 50 route miles	500 microseconds

(3) Impulse Noise Counts

The Impulse Noise Counts exceeding a 67 dBrnCO threshold in 15 minutes is no more than 15 counts.

(4) Intermodulation Distortion

The Second Order (R2) and Third Order (R3) Intermodulation Distortion products are equal to or greater than:

Second Order (R2)	31 dB
Third Order (R3)	34 dB

(x) On Original Page 6-146, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Service Provisioning (Cont'd)

6.4.2 Data Transmission Parameters (Cont'd)

(B) Data Transmission Parameters Type DB (Cont'd)

(5) Phase Jitter

The Phase Jitter over the 4-300 Hz frequency band is less than or equal to 7° peak-to-peak.

(6) Frequency Shift

The maximum Frequency Shift does not exceed -2 to +2 Hz.

6.4.3 Interface Groups

Six interface groups are provided for terminating an Entrance Facility at the customer's premises. Interface groups define the transmission characteristics associated with the Entrance Facility and all transport facilities with which it is interconnected.

Network Channel (NC) codes, feature group and technical specifications provide the available supervisory signaling options. The combination of the interface group and supervisory signaling ordered will identify the appropriate premises interface code (network channel interface code). Feature group and technical specifications are set forth in Technical Reference Publication GR-3334. (C)

Depending upon the interface group chosen by the customer, multiplexing arrangements may also be required. When the customer requests interconnection of an Entrance Facility to a Direct-Trunked Transport or Tandem-Switched Transport, and the interconnecting facilities use connections with different capacities or bandwidths, multiplexing arrangements are required to provide the interconnection. A multiplexing

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Service Provisioning (Cont'd)

6.4.3 Interface Groups (Cont'd)

arrangement is also required to interconnect certain facilities with specific switch types. Multiplexing is available as set forth in 6.1.2(B)(5)(d) preceding.

As a result of the customer's access order and the type of Telephone Company transport facilities serving the customer's premises, the need for signaling conversions or two-wire to four-wire conversions, or the need to terminate digital or high frequency facilities in channel bank equipment may require that Telephone Company equipment be placed at the customer's premises. For example, if a voice frequency interface is ordered by the customer and the Telephone Company facilities serving the customer's premises are digital, then Telephone Company channel bank equipment must be placed at the customer's premises in order to provide the voice frequency interface ordered by the customer.

Interface Group 1 is provided with Type C Transmission Specifications, and Interface Groups 2 through 9 are provided with Type A or B Transmission Specifications depending on the Feature Group and whether the Access Service is routed directly or through an access tandem. All Interface Groups are provided with Data Transmission Parameters.

(x) On Original Page 6-148, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Service Provisioning (Cont'd)

6.4.3 Interface Groups (Cont'd)

Only certain premises interfaces are available at the customer's premises. The premises interfaces associated with the Interface Groups may vary among Feature Groups. The various premises interfaces which are available with the Interface Groups, and the Feature Groups with which they may be used, are set forth in G following.

(A) Interface Group 1

Interface Group 1, except as set forth in the following provides two-wire analog voice frequency transmission at the point of termination at the customer's premises. The interface is capable of transmission of voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.

Interface Group 1 is not provided in association with FGC and FGD when the first point of switching is an access tandem. In addition, Interface Group 1 is not provided in association with FGB, FGC or FGD when the first point of switching provides only four-wire terminations.

The transmission path between the point of termination at the customer's premises and the first point of switching may be comprised of any form or configuration of plant capable of and typically used in the telecommunications industry for the transmission of voice and associated telephone signals within the frequency bandwidth of 300 to 3000 Hz.

(x) On Original Page 6-149 and 1st Revised Page 6-149, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Service Provisioning (Cont'd)

6.4.3 Interface Groups (Cont'd)

(A) Interface Group 1 (Cont'd)

The interface is provided with loop supervisory signaling. When the interface is associated with FGA, such signaling will be loop start or ground start signaling. When the interface is associated with FGB, FGC or FGD, such signaling, except for two-way calling which is E&M signaling, will be reverse battery signaling.

(B) Interface Group 2

Interface Group 2 provides four-wire analog voice frequency transmission at the point of termination at the customer's premises. The interface is capable of transmission of voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.

The transmission path between point of termination at the customer's premises and the first point of switching may be comprised of any form or configuration of plant capable of and typically used in the telecommunications industry for the transmission of voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.

The interface is provided with loop supervisory signaling. When the interface is associated with FGA, such signaling will be loop start or ground start signaling. When the interface is associated with FGB, FGC or FGD, such signaling, except for two-way calling which is E&M signaling, will be reverse battery signaling.

(x) On Original Page 6-150 and 1st Revised Page 6-150, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Service Provisioning (Cont'd)

6.4.3 Interface Groups (Cont'd)

(C) Interface Group 3

Interface Group 3 provides group level analog transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals between the frequencies of 60 to 108 kHz, with the capability to channelize up to 12 voice frequency transmission paths. Certain frequencies within the bandwidth of the Interface Group are reserved for Telephone Company use, e.g., pilot and carrier group alarm tones. Before the first point of switching, the Telephone Company will provide multiplex equipment to derive 12 transmission paths of frequency bandwidth of approximately 300 to 3000 Hz.

The interface is provided with individual transmission path SF supervisory signaling. This interface group is obsolete and is limited to existing installations at existing locations for customers as of December 1, 1993.

(D) Interface Group 4

Interface Group 4 provides supergroup level analog transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals between the frequencies of 312 to 552 kHz, with the capability to channelize up to 60 voice frequency transmission paths. Certain frequencies within the bandwidth of the Interface Group are reserved for Telephone Company use, e.g., pilot and carrier group alarm tones. Before the first point of switching, the Telephone Company will provide multiplex and channel bank equipment to derive 60 transmission paths of frequency bandwidth of approximately 300 to 3000 Hz.

(x) On Original Page 6-151 and 1st Revised Page 6-151, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Service Provisioning (Cont'd)

6.4.3 Interface Groups (Cont'd)

(D) Interface Group 4 (Cont'd)

The interface is provided with individual transmission path SF supervisory signaling. This Interface Group is obsolete and is limited to existing installations at existing locations for existing customers as of December 1, 1993.

(E) Interface Group 6

Interface Group 6 provides DS1 level digital transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals at a nominal 1.544 Mbps, with the capability to channelize up to 24 voice frequency transmission paths. Before the first point of switching, when analog switching utilizing analog terminations is provided, the Telephone Company will provide multiplex and channel bank equipment to derive 24 transmission paths of a frequency bandwidth of approximately 300 to 3000 Hz. When digital switching or analog switching with digital carrier terminations is provided, the Telephone Company will provide, at the first point of switching, a DS1 signal in D3/D4 format.

The interface is provided with individual transmission path bit stream supervisory signaling.

(x) On Original Page 6-152 and 1st Revised Page 6-152, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Service Provisioning (Cont'd)

6.4.3 Interface Groups (Cont'd)

(F) Interface Group 9

Interface Group 9 provides DS3 level digital transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals at a nominal 44.736 Mbps, with the capability to channelize up to 672 voice frequency transmission paths. Before the first point of switching, when analog switching utilizing analog terminations is provided, the Telephone Company will provide multiplex and channel bank equipment to derive up to 672 transmission paths of a frequency bandwidth of approximately 300 to 3000 Hz. When digital switching, or analog switching with digital carrier terminations is provided, the Telephone Company will provide, at the first point of switching, DS1 signals in D3/D4 format.

The interface is provided with individual transmission path bit stream supervisory signaling.

(x) On Original Page 6-153 and 1st Revised Page 6-153, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Service Provisioning (Cont'd)

6.4.3 Interface Groups (Cont'd)

(G) Available Premises Interface Codes

Following is a matrix showing, for each Interface Group, which premises interfaces are available as a function of the Telephone Company switch supervisory signaling and Feature Group. Each premises interface is identified by a specific premises interface code. Voice trunks are available with Interface Groups 1-4, 6 and 9. Signaling links are available with Interface Groups 6 and 9. For explanations of these codes, see 7.3.1 following.

Interface Group	Telephone Company Switch Supervisory Signaling	Premises Interface Code	Feature Group A	B	C	D
1	LO	2LS2	X			
	LO	2LS3	X			
	GO	2GS2	X			
	GO	2GS3	X			
	RV, EA, EB, EC	2DX3		X	X	X
	RV, EA, EB, EC	4EA2-E		X	X	X
	RV, EA, EB, EC	4EA3-E		X	X	X
	RV, EA, EB, EC	4EA2-M		X	X	X
	RV, EA, EB, EC	4EA3-M		X	X	X
	RV, EA, EB, EC	6EB2-E		X	X	X
	RV, EA, EB, EC	6EB3-E		X	X	X
	RV, EA, EB, EC	6EB2-M		X	X	X
	RV, EA, EB, EC	6EB3-M		X	X	X
	EA, EB, EC	6EC2			X	X
	EA, EB, EC	6EC3			X	X
	RV	2RV3-0		X	X	X
	RV	2RV3-T		X	X	X
	CCS	2N02				X

(x) On Original Page 6-154, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Service Provisioning (Cont'd)

6.4.3 Interface Groups (Cont'd)

(G) Available Premises Interface Codes (Cont'd)

Interface Group	Telephone Company Switch Supervisory Signaling	Premises Interface Code	Feature Group A	B	C	D
2	LO, GO	4SF2	X			
	LO	4LS2	X			
	GO	4GS2	X			
	LO, GO	6EX2-B	X			
	LO, GO	6EX2-B	X			
	RV, EA, EB, EC	4SF2		X	X	X
	RV, EA, EB, EC	4DX2		X	X	X
	RV, EA, EB, EC	6DX2		X		
	RV, EA, EB, EC	6EA2-E		X	X	X
	RV, EA, EB, EC	6EA2-M		X	X	X
	RV, EA, EB, EC	8EB2-E		X	X	X
	RV, EA, EB, EC	8EB2-M		X	X	X
	EA, EB, EC	8EC2-M			X	X
	RV	4RV2-O		X	X	X
	RV	4RV2-T		X	X	X
	CCS	4NO2				X

(x) On Original Page 6-155, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Service Provisioning (Cont'd)

6.4.3 Interface Groups (Cont'd)

(G) Available Premises Interface Codes (Cont'd)

Interface Group	Telephone Company Switch Supervisory Signaling	Premises Interface Code	Feature Group A	B	C	D
3	LO, GO	4AH5-B	X			
	RV, EA, EB, EC	4AH5-B		X	X	X
	CCS	4AH5-B				X
4	LO, GO	4AH6-C	X			
	RV, EA, EB, EC	4AH6-C		X	X	X
	CCS	4AH6-C				X
6	LO, GO	4DS9-15	X			
	LO, GO	4DS9-15L	X			
	RV, EA, EB, EC	4DS9-15		X	X	X
	RV, EA, EB, EC	4DS9-15L		X	X	X
	CCS	4DS9-15				X
	CCS	4DS9-1SN				X
	CCS	4DS9-1BN				X
	CCS	4DS9-15B				X
9	LO, GO	4DS6-44	X			
	LO, GO	4DS6-44L	X			
	RV, EA, EB, EC	4DS6-44		X	X	X
	RV, EA, EB, EC	4DS6-44L		X	X	X
	CCS	4DS6-44				X

(x) On Original Page 6-156, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.5 Obligations of the Telephone Company

In addition to the obligations of the Telephone Company set forth in 2. preceding, the Telephone Company has certain other obligations pertaining only to the provision of Switched Access Service. These obligations are as follows:

6.5.1 Network Management

The Telephone Company will administer its network to insure the provision of acceptable service levels to all telecommunications users of the Telephone Company's network services. Generally, service levels are considered acceptable only when both end users and customers are able to establish connections with little or no delay encountered within the Telephone Company network. The Telephone Company maintains the right to apply protective controls, i.e., those actions, such as call gapping, which selectively cancel the completion of traffic, over any traffic carried over its network, including that associated with a customer's Switched Access Service. Generally, such protective measures would only be taken as a result of occurrences such as failure or overload of Telephone Company or customer facilities, natural disasters, mass calling or national security demands. In the event that the protective controls applied by the Telephone Company result in the complete loss of service by the customer, the customer will be granted a Credit Allowance for Service Interruption as set forth in 2.4.4(B)(3) preceding.

(x) On Original Page 6-157, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.5 Obligations of the Telephone Company (Cont'd)

6.5.2 Design and Traffic Routing of Switched Access Service

When ordering line side or trunk side Switched Access Services, the customer must, at a minimum, specify the Switched Transport facilities to be used (i.e., Entrance Facility, Direct-Trunked Transport, and Tandem-Switched Transport). When specifying the Switched Transport facilities to be used, the customer must indicate if the facilities are new or existing. The customer is also required to specify whether the service should be provided by originating only, terminating only, or two-way trunk groups.

For Feature Groups A and B, the line or trunk directionality and traffic routing of the Switched Access Service between the customer's premises and the entry switch are determined by the customer's order for service. The Telephone Company will compare the customer's request with its own traffic routing plan and available facilities and equipment to determine whether the customer's request can be met. The Telephone Company is responsible for selection of facilities from the interface to any switching point and to the end offices where capacity is ordered.

(x) On Original Page 6-158, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.5 Obligations of the Telephone Company (Cont'd)

6.5.2 Design and Traffic Routing of Switched Access (Cont'd)

Except for Feature Group B, the Telephone Company will also decide whether trunk side access will be provided through the use of two-wire or four-wire trunk terminating equipment.

Selection of facilities and equipment and traffic routing of the service are based on standard engineering methods, available facilities and equipment, and the Telephone Company traffic routing plans. If the customer desires routing or directionality different from that determined by the Telephone Company, the Telephone Company will work cooperatively with the customer in determining (1) whether the service is to be routed directly to an end office or through an access tandem switch and (2) the directionality of the service. Additionally, for Feature Group B the customer may order the optional feature Customer Specification of Switched Transport Termination.

In the event a Customer converts from FGA service to FGB service, the Telephone Company will (where the capability exists) route calls from the FGA circuits to the FGB circuits for a one-year period from the date FGA service is terminated. No additional charge will apply for this call-forwarding function.

(x) On Original Page 6-159, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.5 Obligations of the Telephone Company (Cont'd)

6.5.3 Provision of Service Performance Data

Subject to availability, end-to-end service performance data available to the Telephone Company through its own service evaluation routines, may also be made available to the customer based on previously arranged intervals and format. These data provide information on overall end-to-end call completion and non-completion performance, e.g., customer equipment blockage, failure results and transmission performance. These data do not include service performance data which are provided under other tariff sections, e.g., testing service results. The charges for providing such data will be determined on an individual case basis.

6.5.4 Trunk Group Measurements Reports

Subject to availability, the Telephone Company will make available trunk group data in the form of usage in CCS, peg count and overflow, to the customer based on previously agreed to intervals. The charges for providing such data will be determined on an individual case basis.

6.5.5 Determination of Number of Transmission Paths

When ordering Switched Access Services in line quantities for Feature Group A or trunk quantities for Feature Groups B, C or D, the customer shall specify the number of transmission paths in lines or trunks based on their expected originating and terminating traffic.

For analog entry switches, a termination will be provided for each feature group line or trunk requested. For digital entry switches an equivalent termination will be provided for each feature group line or trunk requested.

(x) On Original Page 6-160, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.5 Obligations of the Telephone Company (Cont'd)

6.5.6 Design Blocking Probability

The Telephone Company will design and monitor the capacity of the Switched Access Services to be provided to meet the blocking probability criteria as set forth in (A) through (D) following:

(A) For Feature Groups A and B no design blocking criteria apply.

(B) For Feature Group C, the design blocking objective will be no greater than one percent (.01) between the point of termination at the customer's premises and the first point of switching when traffic is directly routed without an alternate route. Standard traffic engineering methods will be used by the Telephone Company to determine the number of transmission paths required to achieve this level of blocking.

(C) For Feature Group D, the design blocking objective for the final group will be no greater than one percent (.01) between the point of termination at the customer's premises and the end office switch, whether the traffic is directly routed without an alternate route or routed via an access tandem. Standard traffic engineering methods will be used by the Telephone Company to determine the number of transmission paths required to achieve this level of blocking. The Telephone Company will determine which traffic tables are used based on trunk group type and switch technology. The customer will be provided with these tables upon request.

(x) On Original Page 6-161, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.5 Obligations of the Telephone Company (Cont'd)

6.5.6 Design Blocking Probability (Cont'd)

(D) The Telephone Company will perform routine measurement functions for the capacity ordered, whether ordered in lines or trunks, to assure that an adequate number of transmission paths are in service. The Telephone Company will recommend that additional capacity (i.e., lines or trunks) be ordered by the customer when additional paths are required to reduce the measured blocking level. For the Feature Group C or D capacity ordered, the design blocking objective is assumed to have been met if the routine measurements show that the measured blocking does not exceed the thresholds listed in the following tables.

(1) For transmission paths carrying only first routed traffic directly between an end office and a customer's premises without an alternate route, and for paths carrying only overflow traffic, the measured blocking thresholds are as follows:

Number of Transmission Paths Per Trunk Group	Measured Blocking Thresholds in the Time Consistent Busy Hour for the Number of Measurements Per Trunk Group			
	15-20 Measurements	11-14 Measurements	7-10 Measurements	3-6 Measurements
2	.070	.080	.090	.140
3	.050	.060	.070	.090
4	.050	.060	.070	.080
5-6	.040	.050	.060	.070
7-336	.030	.035	.040	.060
337-504	.025	.030	.035	.055
505 or more	.020	.025	.030	.050

(x) On Original Page 6-162, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.5 Obligations of the Telephone Company (Cont'd)

6.5.6 Design Blocking Probability (Cont'd)

(D) (Cont'd)

(2) For transmission paths carrying first routed traffic between an end office and a customer's premises via an access tandem, the measured blocking thresholds are as follows:

Number of Transmission Paths Per Trunk Group	Measured Blocking Thresholds in the Time Consistent Busy Hour for the Number of Measurements Per Trunk Group			
	15-20 Measurements	11-14 Measurements	7-10 Measurements	3-6 Measurements
2	045	055	060	095
3	035	040	045	060
4	035	040	045	055
5-6	025	035	040	045
7-336	020	025	030	040
337-504	015	020	025	035
505 or more	010	015	020	030

(x) On Original Page 6-163, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.6 Obligations of the Customer

In addition to the Obligations of the Customer set forth in 2. preceding, the customer has certain specific obligations pertaining to the use of Switched Access Service. These obligations are as follows:

6.6.1 Report Requirements

Customers are responsible for providing the following reports to the Telephone Company, when applicable.

(A) Jurisdictional Reports

When a customer orders Switched Access Service for both interstate and intrastate use, the customer is responsible for providing reports as set forth in 2.3.11 preceding. Charges will be apportioned in accordance with those reports. The method to be used for determining the interstate charges is set forth in 2.3.12 preceding.

(B) Code Screening Reports

When a customer orders service class routing, trunk access limitation or call gapping arrangements, it must report the number of trunks and/or the appropriate codes to be instituted in each end office or access tandem switch, for each of the arrangements ordered.

(x) On Original Page 6-164, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.6 Obligations of the Customer (Cont'd)

6.6.1 Report Requirements (Cont'd)

(C) 900 Access Service NXX Codes

All 900 NXX Code assignments and administration shall be in accordance with the North American Numbering Plan (NANP).

When ordering 900 Access Service, NXX Codes to be activated and NXX Codes to be deactivated must be provided to the Telephone Company at least 30 calendar days prior to the effective date of the change. Customer assigned codes, for which an order has not been received, will be blocked. When 900 Access Service interstate traffic is terminated on a switched access line and not on a dedicated access line, the customer must notify the Telephone Company of all local exchange telephone numbers to which 900 Access Service traffic is designated so that the Telephone Company can balance the end office in accordance with standard Telephone Company engineering practices for heavy volume lines.

(D) Interim 500 Access Service NXX Codes

All 500 NXX Code assignments and administration shall be in accordance with the North American Numbering Plan (NANP).

When ordering Interim 500 Access Service, NXX Codes to be activated and NXX Codes to be deactivated must be provided to the Telephone Company at least 30 calendar days prior to the effective date of the change. Customer assigned codes, for which an order has not been received, will be blocked. When Interim 500 Access Service interstate traffic is terminated on a switched access line and not on a dedicated access line, the customer must notify the Telephone Company of all local exchange telephone numbers to which Interim 500 Access Service traffic is designated so that the Telephone Company can balance the end office in accordance with standard Telephone Company engineering practices for heavy volume lines.

(x) On Original Page 6-165, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.6 Obligations of the Customer (Cont'd)

6.6.2 Supervisory Signaling

The customer's facilities shall provide the necessary on-hook, off-hook, answer and disconnect supervision.

6.6.3 Trunk Group Measurement Reports

With the agreement of the customer, trunk group data in the form of usage in CCS, peg count and overflow for its end of all access trunk groups, where technologically feasible, will be made available to the Telephone Company. These data will be used to monitor trunk group utilization and service performance and will be based on previously arranged intervals and format.

6.6.4 Design of Switched Access Services

When a customer orders Switched Access Service on a per line or per trunk basis, it is the customer's responsibility to assure that sufficient access services have been ordered to handle its traffic.

6.6.5 Customer's V&H Location

The Customer shall provide to the Telephone Company at the time services are requested the V&H coordinates of its facilities at the point of termination.

(x) On Original Page 6-166, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations

This section contains the specific regulations governing the rates and charges that apply for Switched Access Service.

6.7.1 Description and Application of Rates and Charges

There are four types of rates and charges that apply to Switched Access Service. These are monthly recurring rates (including fixed and per mile), nonrecurring charges, usage rates, and zone density charges. These rates and charges are applied differently to the various rate elements as set forth in (D) following.

(A) Monthly Rates

Monthly rates are flat recurring rates that apply each month or fraction thereof that a specific rate element is provided regardless of the amount of usage. Monthly rates may be either distance sensitive (per mile) or non-distance sensitive (fixed). For billing purposes, each month is considered to have 30 days.

(B) Usage Rates

Usage rates are rates that apply only when a specific rate element is used. These are applied on a per access minute basis as described in Section 6.7.1(D), or on a per query basis as described in Section 6.2.5. Usage rates may be either distance sensitive (per mile) or non-distance sensitive (fixed). Access minute charges are accumulated over a monthly period.

(x) On Original Page 6-167, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.1 Description and Application of Rates and Charges (Cont'd)

(C) Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for a specific work activity (i.e., installation or change to an existing service) and are developed at full cost recovery on a labor hours per labor time basis. When service is jointly provided under the Single Bill Method of Multiple Company (Interconnection Point) Billing, the nonrecurring charges reflect the average weighted costs of the exchange telephone companies involved and are applicable to all nonrecurring functions in the provision of Switched Access Service. Under the Multiple Bill Method, the nonrecurring charges reflect only the Telephone Company's costs and are applicable only when the nonrecurring function occurs within its territory. The types of nonrecurring charges that apply for Switched Access Service are: installation of service, installation of optional features, service rearrangements, Interim 500 Access Service, and 900 Access Service.

(x) On Original Page 6-168, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.1 Description and Application of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(1) Installation of Service

Nonrecurring charges apply to each Switched Access Service installed. For FGA, the per line installation charge is applicable. For FGB, FGC, FGD, Interim 500 Access, TFC and 900, the per trunk installation charge is applicable on a per end office or tandem basis. The nonrecurring charge for the installation of Entrance Facilities and CCS/SS7 Interconnection Services is applied for each point of termination.

(2) Installation of Optional Features

If a separate nonrecurring charge applies for the installation of an optional feature available with Switched Access Service, the charge applies whether the feature is installed coincident with the initial installation of service or at any time subsequent to the initial installation of service.

(3) Service Rearrangements

Service rearrangements are changes to existing services installed which do not result in either a change in the minimum period requirements as set forth in 5.2.6 preceding or a change in the physical location of the point of termination at the customer's premises or the customer's end user's premises. Changes which result in the establishment of new minimum period obligations are treated as

(x) On Original Page 6-169, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.1 Description and Application of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(3) Service Rearrangements (Cont'd)

disconnects and starts. Changes in the physical location of the point of termination are treated as moves and are described and charged for as set forth in 6.7.5 following.

The charge to the customer for the service rearrangement is dependent on whether the change is administrative only in nature or involves an actual physical change to the service.

Administrative changes will be made without charge(s) to the customer. Such changes require the continued provision and billing of the Access Service to the same entity (i.e., customer remains responsible for all outstanding indebtedness for the Access Service). Administrative changes are as follows:

- Change of customer name (i.e., the customer of record does not change but rather the customer of record changes its name—e.g., AT&T-Long Lines to AT&T-Communications),

- Change of customer or customer's end user premises address when the change of address is not a result of a physical relocation of equipment,

(x) On Original Page 6-170, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.1 Description and Application of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(3) Service Rearrangements (Cont'd)

- Change in billing data (name, address, or contact name or telephone number),
- Change of agency authorization,
- Change of customer circuit identification,
- Change of billing account number,
- Change of customer test line number,
- Change of customer or customer's end user contact name or telephone number,
- Change of jurisdiction

All other service rearrangements will be charged for as follows:

- If the change involves the addition of or a modification to an optional feature which has a separate nonrecurring charge, that nonrecurring charge will apply.

- Rearrangements to convert FGD trunks from multifrequency address signaling to SS7 signaling or from SS7 signaling to multifrequency address signaling will incur nonrecurring charge(s) as specified in 6.8.3(A) following. Such conversions will be scheduled on a project basis by the Telephone Company in cooperation with the customer.

(x) On Original Page 6-171, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.1 Description and Application of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(3) Service Rearrangements (Cont'd)

- When the service switching point (SSP) is located at the Telephone Company's access tandem, end office and tandem trunk rearrangements will be provided at the charges set forth in 6.8.3(B) following when all of the following conditions apply:

  (a) End office and tandem trunk rearrangements will be provided only on Feature Group D trunks located at the end office switch.

  (b) The customer must disconnect one trunk at the end office or access tandem for each trunk installed at the SSP-equipped tandem. The number of trunks being connected at the SSP-equipped tandem cannot exceed the number of trunks disconnected.

  (c) The customer must place the order to connect at the SSP-equipped tandem at the same time the order is placed to disconnect from the end office or tandem. The due date of the disconnection order cannot be more than six months past the due date of the order to install at the SSP-equipped tandem.

If the Telephone Company installs an SSP at the endoffice or tandem, upon receipt of an access order prior to December 31, 1995, the customer's trunks will be rearranged from the SSP-equipped tandem to the original end office or tandem at the access order charges set forth in 5.2.2 preceding.

(x) On Original Page 6-172, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.1 Description and Application of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(3) Service Rearrangements (Cont'd)

- When the SSP is not located at the Telephone Company's point of switching, and traffic routing changes for end office to tandem trunking are required, a charge equal to one half the Switched Transport nonrecurring (i.e., installation) charge will apply on a per end office basis.

- The nonrecurring charges associated with routing trunks from tandem to end office or from end office to tandem transport will not apply when the following conditions are met:

  (a) The customer must maintain the same customer premises location. Requests to add or change optional features will be subject to the charges applicable to the features.

  (b) Direct routed end office trunks must subtend the tandem from which the service is being rearranged.

  (c) One trunk at the end office or tandem must be disconnected for each rerouted tandem or end office trunk installed with the following exception. If the customer demonstrates that industry accepted engineering standards require the installation of additional trunks, the nonrecurring charges for such additional trunks will not apply.

(x) On Original Page 6-173, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.1 Description and Application of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(3) Service Rearrangements (Cont'd)

(d) The order to disconnect from the tandem or end office must be placed at the same time as the order to connect at the tandem or end office. The due date for the disconnect order may not be more than 90 days after the due date for the order to install the tandem or end office trunk.

These nonrecurring charges include installation of new facilities between the Telephone Company serving wire center and the customer's designated premises when such facilities are required to provision rerouted trunks.

- The nonrecurring charges associated with upgrades in capacity (i.e., multiple DS0s converting to DS1s or multiple DS1s converting to DS3s) will not apply when the customer maintains the same customer premises location. Requests to add or change optional features will be subject to the nonrecurring charges associated with the features requested.

- A nonrecurring service upgrade charge, as set forth in Section 6.8.2 following, will apply per DS1 or DS3 upgraded when converting existing high capacity services to OptiPoint service. The charge does not apply when OptiPoint is ordered as new service and no existing high capacity services are being relocated to the OptiPoint service. For orders for new services submitted after February 5, 2000,

(x) On Original Page 6-174, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.1 Description and Application of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(3) Service Rearrangements (Cont'd)

the nonrecurring service upgrade charge will apply for each DS1 or DS3 channel connected to new OptiPoint service when existing DS1 or DS3 facilities between the same points of termination as the new OptiPoint service are disconnected within 30 days of the order for new services.

- Service rearrangement charges will not apply when a customer converts trunks from tandem-switched transport to direct-trunked transport, or orders the disconnection of over-provisioned trunks, prior to January 1, 1999.

- Service rearrangements to redirect traffic from direct routed to tandem routed for performance of the TFC data base query required for TFC Access Service, where the TFC query function is initially available only at the tandem, will be assessed the End Office to Tandem Rearrangement Charge set forth in Section 6.8.3(B) following. When the TFC data base query function becomes available for TFC Access Service at end offices subtending the tandem to which customers have redirected TFC traffic, customers will be allowed to rearrange TFC traffic from tandem routed to direct routed at no charge provided that the same customer premises is maintained.

(x) On Original Page 6-175, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.1 Description and Application of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(3) Service Rearrangements (Cont'd)

- For service rearrangements involving OC3, OC12 or OC48 switched access services (e.g., OptiPoint Service), a charge equal to one half the Optical Service Charge set forth in 6.8.1 will apply for each node rearranged. (C) (C)

- For all other changes, including the addition of, or modifications to, optional features without separate nonrecurring charges, a charge equal to one half the Switched Transport nonrecurring (i.e., installation) charge will apply. When an optional feature is not required on each transmission path, but rather for an entire transmission path group, an end office or an access tandem switch, only one such charge will apply (i.e., it will not apply per transmission path).

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.1 Description and Application of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(4) 900 Access Service

A nonrecurring charge as specified in 6.8.5 following applies each time a change is made which involves the addition or deletion of 900 NXX codes to be routed to the customer. The charge is assessed per 900 NXX code added or deleted for each Telephone Company end office switch or access tandem in which translation changes are required. This charge applies to the initial loading of one or more 900 NXX codes required to establish service for the customer, and to any subsequent changes (i.e., additions or deletions) to those codes. There is also an Assembly of Route Pattern nonrecurring charge which applies once for each Telephone Company end office, but only on the customer's initial request to the Telephone Company for 900 Access Service in each state, LATA, access tandem or end office.

(5) Interim 500 Access Service

A nonrecurring charge as specified in 6.8.6 following applies each time a change is made which involves the addition or deletion of 500 NXX codes to be routed to the customer. The charge is assessed per 500 NXX code added or deleted for each Telephone Company end office switch or access tandem in which translation changes are required. This charge applies to the initial loading of one or more 500 NXX codes required to establish service for the customer, and to any subsequent changes (i.e., additions or deletions) to those codes. There is also an Assembly of Route Pattern nonrecurring charge which applies once for each Telephone Company end office, but only on the customer's initial request to the Telephone Company for Interim 500 Access Service in each state, LATA, access tandem or end office.

(x) On Original Page 6-177, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.1 Description and Application of Rates and Charges (Cont'd)

(D) Application of Rates

Local Switching rates are applied either as premium rates or transitional rates.

The specific application of premium and transitional rates for a specific customer is dependent upon the Feature Group and the availability of equal access capabilities in the end office to which the service is provided. The following rules provide the basis for applying the premium and transitional rates.

(1) Reserved For Future Use

(2) Premium rates apply to all FGC and FGD access minutes, to all FGA and FGB access minutes that originate from or terminate at end offices equipped with equal access (i.e., FGD) capabilities, and to all access minutes that originate or terminate at end offices not equipped with equal access capabilities when the service is provided to customers which furnish interstate MTS/WATS. Premium rates also apply to all Interim 500, TFC and 900 Access Service minutes that originate from equal access end offices via FGD, or Interim 500, TFC and 900 Access Service minutes that originate from non equal access end offices for customers who subscribe to FGC.

(x) On Original Page 6-178, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.1 Description and Application of Rates and Charges (Cont'd)

(D) Application of Rates (Cont'd)

(3) Premium rates, including Local Switching - LS2, apply to all FGB, FGC, and FGD usage at an end office for any customer which provides MTS and WATS services and subscribes to FGB and either FGC or FGD originating and/or terminating at those end offices.

(4) Reserved For Future Use

(5) Transitional rates (i.e., discounted access minute rates) apply to all FGA or FGB access minutes (measured or assumed) that originate from or terminate at non equal access end offices, except for FGB access minutes generated by providers of MTS and WATS services. Transitional rates also apply to all non-AT&T Interim 500 Access, TFC Access, and 900 Access Service minutes that originate from non equal access end offices.

(6) When FGA or FGB Switched Access Service provided to an entry switch (i.e., dial tone office for FGA and access tandem for FGB) has usage originating from and/or terminating at both end offices that have been converted to equal access and end offices that have not been converted, the premium and transitional usage rates for Switched Access Service (including Carrier Common Line) will apply in the following manner:

(x) On Original Page 6-179, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.1 Description and Application of Rates and Charges (Cont'd)

(D) Application of Rates (Cont'd)

(6) (Cont'd)

(a) All access minutes that originate from or terminate at the equal access end office(s) will be billed at premium rates. Access minutes that originate from or terminate at end offices not equipped with equal access capabilities, hereinafter referred to as non-premium access minutes, will be billed at transitional rates.

(b) The number of access minutes to be rated as premium access minutes is determined as follows:

(i) Where measurement capability exists, and end office specific usage data is available, premium rates will apply to all access minutes originating from or terminating at equal access end offices.

(ii) Where measurement capability does not exist and/or end office specific usage data is not available, originating and/or terminating usage will be apportioned between premium and non-premium usage as described following. The usage to be apportioned will be the recorded usage as set forth in 6.7.7 following. Such apportionment will be

(x) On Original Page 6-180, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.1 Description and Application of Rates and Charges (Cont'd)

(D) Application of Rates (Cont'd)

(6) (Cont'd)

(b) (Cont'd)

(ii) (Cont'd)

based on the ratio of the number of subscriber lines in the access area (i.e., local calling area or end offices subtending the access tandem, as served by equal access end offices to the total number of subscriber lines in that access area. The ratio thus developed is applied to the total measured originating FGA usage, terminating FGA usage, originating FGB usage or terminating FGB usage, as applicable, to determine the usage to be billed at premium rates, unless adjusted as set forth in (iii) following.

The ratios used to determine the premium usage will be updated on a quarterly basis. The ratios to be used for the succeeding quarter will be provided to the customer with the last bill rendered in the quarter or mailed separately within five working days after the first day of the new quarter (i.e., January, April, July and October).

For purposes of administering this provision: (1) subscriber lines are defined as exchange service lines, Centrex lines and Centrex-type lines provided by the Telephone Company under its local

(x) On Original Page 6-181, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.1 Description and Application of Rates and Charges (Cont'd)

(D) Application of Rates (Cont'd)

(6) (Cont'd)

(b) (Cont'd)

(ii) (Cont'd)

and/or general exchange service tariff; (2) the access area is defined as the local calling area of the dial tone office for originating and terminating FGA and all end offices subtending the access tandem for originating and terminating FGB; and (3) the local calling area of the dial tone office is as defined in the Telephone Company's local and/or general exchange service tariff.

(iii) Where FGD Switched Access Service is provided to a customer in an end office(s) where FGA or FGB premium access minutes have been determined in accordance with (ii) preceding, such premium access minutes will be adjusted in the following manner. For each FGD access minute originating from or terminating at that end office, the originating or terminating FGA or FGB premium access minutes determined as set forth in (ii) preceding will be reduced on a one for one basis, but in no event shall the reduction exceed the total number of FGA or FGB premium access minutes originating from or terminating at that end office. The customer will be billed for the revised number of premium access minutes.

(x) On Original Page 6-182, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.1 Description and Application of Rates and Charges (Cont'd)

(D) Application of Rates (Cont'd)

(6) (Cont'd)

(c) The Telephone Company will provide written notification to all access customers of record within a particular local calling area that an end office in that local calling area is scheduled to be converted to an equal access end office. This notification will be sent, via certified U.S. Mail, to each customer of record in the local calling area where the conversion is scheduled to occur, at least six months in advance of the conversion date.

The customer will have the choice of converting existing services to equal access (i.e., Feature Group D) at no charge pursuant to the conditions set forth in 6.7.4 following, or retaining the existing services. Premium rates will apply to the total access minutes beginning on the actual conversion date, whether the customer chooses to convert to FGD or retain existing services.

(x) On Original Page 6-183, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.2 Minimum Periods

The minimum service period for all switched access services is one month, with the exception of OptiPoint service and Feature Group D. Feature Group D is provided for a minimum period of three months.

6.7.3 Minimum Monthly Charge

Switched Access Service is subject to a minimum monthly charge. The minimum charge applies for the total capacity provided. The minimum monthly charge consists of the following elements:

For usage rated Switched Access Services, the minimum monthly charge for the Tandem-Switched Transport and Local Switching rate elements is the sum of the charges set forth in 6.8.2(C) and 6.8.3 following for the measured or assumed usage for the month. For flat rated Switched Access services, the minimum monthly charge for the Entrance Facility and Direct-Trunked Transport rate elements is the applicable monthly rate for the service. (C)

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.4 Change of Feature Group Type

Changes from one type of Feature Group to another will be treated as a discontinuance of one type of service and a start of another. Nonrecurring charges will apply, with two exceptions.

(1) When a customer upgrades a Feature Group A or B service to a Feature Group D service, the nonrecurring charges will not apply if the following conditions are met:

(a) The same customer premises is maintained, and

(b) The orders for the disconnect of the FGA or FGB service and the start of FGD service are placed with the Telephone Company at the same time, and

(c) The customer requests the same effective date for both the disconnect of service and start of service orders, or

(d) The customer requests the FGA or FGB service be disconnected no more than 90 days after the start of the FGD service.

(2) When a FGC service is upgraded to a FGD service, the nonrecurring charge will not apply. Because FGC is no longer available in an end office once the end office is equipped with equal access capabilities, (i.e., FGD), such upgrades will be performed by the Telephone Company without the customer being required to place an order for the change.

(x) On Original Page 6-185, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.4 Change of Feature Group Type (Cont'd)

At the time the customer upgrades from FGA, FGB or FGC to FGD, the customer may also change the facility used to provide the upgraded service. This change will be made at no additional charge and may include a change in the connection type (e.g., Voice Grade to DS1) and/or a change in the facility type (e.g., Direct-Trunked Transport to Tandem-Switched Transport).

When the effective dates for the disconnect and start of service are the same, minimum period obligations will not change, (i.e., the time elapsed in the existing minimum period obligations will be credited to the minimum period obligations for FGD). When the effective dates for the disconnect and start of service are different, new minimum period obligations will be established for the FGD service. For all other changes from one type of Feature Group to another, new minimum period obligations will also be established.

(x) On Original Page 6-186, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.5 Moves

A move involves a change in the physical location of one of the following:

- The point of termination at the customer's premises
- The customer's premises

The charges for the move are dependent on whether the move is to a new location within the same building or to a different building.

(A) Moves Within the Same Building

When the move is to a new location within the same building, the charge for the move will be an amount equal to one half of the nonrecurring (i.e., installation) charge for the capacity affected. There will be no change in the minimum period requirements.

(B) Moves to a Different Building

Moves to a different building will be treated as a discontinuance and start of service and all associated nonrecurring charges will apply. New minimum period requirements will be established for the new service. The customer will also remain responsible for satisfying all outstanding minimum period charges for the discontinued service.

When moves to a different building occur simultaneously with rerouting trunks from tandem to end office or from end office to tandem transport, a charge equal to one half of the associated installation charges will apply.

(x) On Original Page 6-187, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.6 Accumulation of Number of Transmission Paths

The number of transmission paths used to determine the charges as set forth in Section 6.8 shall be the sum of the number of paths actually provided as set forth in Section 6.5.5.

6.7.7 Measuring Access Minutes

Customer traffic to end offices will be measured by the Telephone Company at end office switches or access tandem switches. Originating and terminating calls will be measured by the Telephone Company to determine the basis for computing chargeable access minutes. For terminating calls over FGA and FGB, FGC to TFC, and FGD, and for originating calls over FGA, FGB, and FGD, the measured minutes are the chargeable access minutes. For originating calls over FGC, chargeable originating access minutes are derived from measured conversation minutes and through the use of Telephone Company factors. Chargeable terminating access minutes for FGC are derived on an individual entity basis from measured originating access minutes through application of a factor based on the Jurisdictional Traffic Separations System (JTSS) Report Out + In/Out Ratio minus 1.

FGA access minutes or fractions thereof, the exact value of the fraction being a function of the switch technology where the measurement is made, are accumulated over the billing period for each line or hunt group, and are then rounded up to the nearest access minute for each line or hunt group.

(x) On Original Page 6-188, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.7 Measuring Access Minutes (Cont'd)

FGB, FGC and FGD access minutes or fractions thereof, the exact value of the fraction being a function of the switch technology where the measurement is made, are accumulated over the billing period for each end office, and are then rounded up to the nearest access minute for each end office.

Where originating and/or terminating traffic measurement capability does not exist, the number of access minutes per FGA line or FGB trunk will be assumed as follows:

(A) A single, monthly surrogate of assumed minutes per two way line or trunk per month shall apply as set forth in (D) following. For FGA lines, the terminating assumed usage will be 47% of the two way surrogate and the originating assumed usage will be 53% of the two way surrogate. For FGB trunks, the originating and terminating assumed usage will each be 50% of the two way surrogate.

(B) When measurement capability does not exist for a one way line or trunk, a single, monthly surrogate of assumed minutes per one way line or trunk per month shall apply as set forth in (D) following.

(C) When measurement capability does not exist in one direction for a two way line or trunk (e.g., recording for terminating usage only), the number of access surrogate for a two way line or trunk or the recorded usage for the single direction, whichever is greater.

(x) On Original Page 6-189, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.7 Measuring Access Minutes (Cont'd)

(D) The assumed minutes of use monthly surrogates are as follows:

	Per Two Way Line or Trunk		Per One Way Line or Trunk			
			Originating Only		Terminating Only	
	FGA	FGB	FGA	FGB	FGA	FGB
Arkansas	*	*	*	*	*	*
Florida	*	*	*	*	*	*
Indiana	*	*	*	*	*	*
Iowa	*	*	*	*	*	*
Kansas	4703	5042	2493	5042	2210	5042
Minnesota	*	*	*	*	*	*
Missouri	*	*	*	*	*	*
Nebraska	1864	*	*	*	*	*
New Jersey	*	*	*	*	*	*
North Carolina	*	*	*	*	*	*
Ohio	*	*	*	*	*	*
Oregon	444	*	*	*	*	*
Pennsylvania	*	*	*	*	*	*
South Carolina	*	*	*	*	*	*
Tennessee	*	*	*	*	*	*
Texas	*	*	*	*	*	*
Virginia	*	*	*	*	*	*
Washington	*	*	*	*	*	*
Wyoming	*	*	*	*	*	*

* All existing services are measured or there are no customers for these services at present. If an Access Service Request is received in an office where measurement capability does not exist, a traffic study will be completed to develop a surrogate, and such surrogate will be tariffed.

(x) On Original Page 6-190, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.7 Measuring Access Minutes (Cont'd)

(E) Feature Group A Usage Measurement

For originating calls over FGA, usage measurement begins when the originating FGA entry switch receives an off-hook supervisory signal forwarded from the customer's point of termination, indicating that the customer has received the call.

The measurement of originating call usage over FGA ends when the originating FGA entry switch receives an on-hook supervisory signal from either the originating end user's end office, indicating the originating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.

For terminating calls over FGA, usage measurement begins when the terminating FGA entry switch receives an off-hook supervisory signal from the terminating end user's end office, indicating the terminating end user has answered. The measurement of terminating call usage over FGA ends when the terminating FGA entry switch receives an on-hook supervisory signal from either the terminating end user's end office, indicating the terminating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.

(x) On Original Page 6-191, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.7 Measuring Access Minutes (Cont'd)

(F) Feature Group B Usage Measurement

For originating calls over FGB, usage measurement begins when the originating FGB entry switch receives answer supervision forwarded from the customer's point of termination, indicating the customer's equipment has answered.

The measurement of originating call usage over FGB ends when the originating FGB entry switch receives disconnect supervision from either the originating end user's end office, indicating the originating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.

For terminating calls over FGB, usage measurement begins when the terminating FGB entry switch receives answer supervision from the terminating end user's end office, indicating the terminating end user has answered.

The measurement of terminating call usage over FGB ends when the terminating FGB entry switch receives disconnect supervision from either the terminating end user's end office, indicating the terminating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.

(x) On Original Page 6-192, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.7 Measuring Access Minutes (Cont'd)

(G) Feature Group C Usage Measurement

For originating calls over FGC, usage measurement begins when the originating FGC entry switch receives answer supervision from the customer's point of termination, indicating that the called party has answered.

The measurement of originating call usage over FGC ends when the originating FGC entry switch receives disconnect supervision from either the originating end user's end office, indicating the originating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.

For terminating calls over FGC to services other than TFC, 900 or Directory Assistance, terminating FGC usage may not be directly measured at the terminating entry switch, but may be imputed from originating usage, excluding usage from calls to TFC, 900 or Directory Assistance Services. Actual measured usage will be used where available rather than an imputed value.

For terminating calls over FGC to TFC Service, usage measurement begins when the terminating FGC entry switch receives answer supervision from the terminating end user's end office, indicating the terminating TFC Service end user has answered.

The measurement of terminating call usage over FGC to TFC Service ends when the terminating FGC entry switch receives an on-hook supervisory signal from the terminating end user's end office, indicating the terminating TFC Service end user has disconnected, or from the customer's point of termination, whichever is recognized first by the entry switch.

(x) On Original Page 6-193, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.7 Measuring Access Minutes (Cont'd)

(H) Feature Group D Usage Measurement

For originating calls over FGD, with multifrequency address signaling, usage measurement begins when the originating FGD entry switch receives the first wink supervisory signal forwarded from the customer's point of termination. The measurement of originating call usage over FGD ends when the originating FGD entry switch receives disconnect supervision from either the originating end user's end office, indicating the originating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.

For originating calls over FGD with SS7 signaling, usage measurement begins with the transmission of the initial address message. The measurement of originating FGD call usage ends when the entry switch receives or sends a release message, whichever occurs first.

For terminating calls over FGD, with multifrequency address signaling, the measurement of access minutes begins when the terminating FGD entry switch receives answer supervision from the terminating end user's end office, indicating the terminating end user has answered. The measurement of terminating call usage over FGD ends when the terminating FGD entry switch receives disconnect supervision from either the terminating end user's end office, indicating the terminating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.

(x) On Original Page 6-194, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.7 Measuring Access Minutes (Cont'd)

(H) Feature Group D Usage Measurement (Cont'd)

For terminating calls over FGD with SS7 signaling, usage measurement begins when the terminating recording switch receives answer supervision from the terminating end user. The Telephone Company switch receives answer supervision and sends the indication to the customer in the form of an answer message. The measurement of terminating FGD call usage ends when the entry switch receives or sends a release message, whichever occurs first.

(x) On Original Page 6-195, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.7 Measuring Access Minutes (Cont'd)

(I) Toll Free Code (TFC) Access Service Usage Measurement

Usage measurement from non-equal access and equal access end offices without the customer identification function begins when the originating end office switch receives off-hook supervision forwarded from the customer's point of termination, indicating the transmitted digits have been received, except for FGC as stated following.

Usage measurement for FGC begins when the originating end office receives off-hook answer supervision forwarded from the customer's point of termination, indicating the called party has answered.

Usage measurement from equal access end offices with the customer identification function begins when the originating end office switch receives the first wink supervisory signal forwarded from the customer's point of termination.

In all cases, usage measurement ends when the originating end office receives on-hook disconnect supervision from either the originating end user's end office, indicating the originating end user has disconnected, or the customer's point of termination, which ever is recognized first by the end office.

(x) On Original Page 6-196, Tariff F.C.C. No. 3 was inadvertently shown as Tariff F.C.C. No. 1.